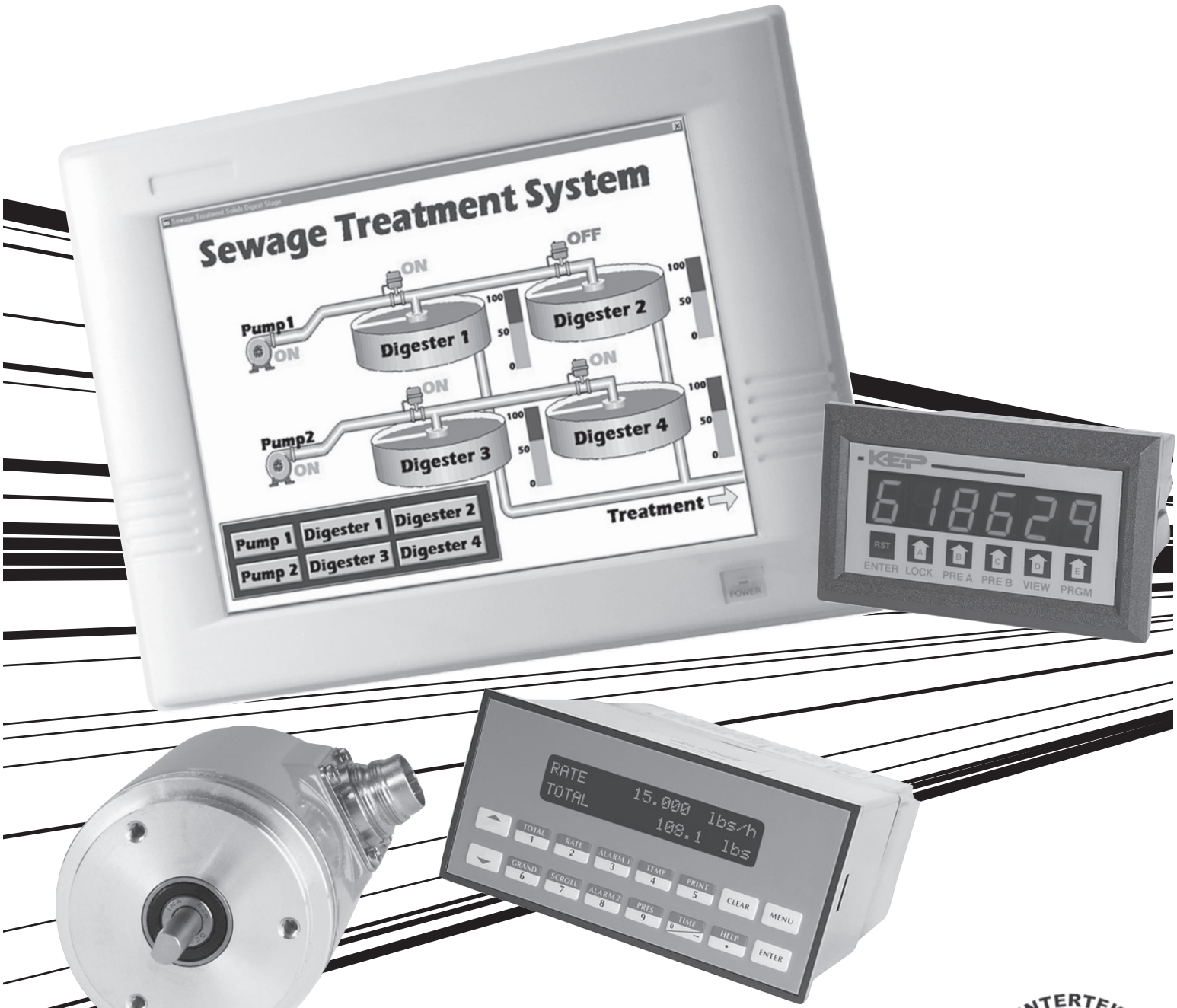
Product Price List
2015



KEP

INTERTEK
ISO 9001:2000

Kessler-Ellis Products, 10 Industrial Way East, Eatontown, NJ 07724
Toll Free: (800) 631-2165 • Phone: (732) 935-1320 • Fax: (732) 935-9344
http://www.kep.com

12/14/15

Same Day Shipping

Graphical Touchscreen: Same Day Shipment Program

- Applies To: mT8050iE, mT6070iE, mT8070iE, mT8100iE, eMT3150A, eMT3105P, eMT3120A, eMT3150A.
- Our Commitment for New Orders: Place your order by 3:00 PM EST on a KEP business day, and your order will ship that same day.

How can KEP do this?

- Expanded Inventory: KEP has doubled inventory on these products.
- Increased Efficiency: Graphical Touchscreens are now kept in inventory completely assembled, packaged, and with final Q.C. already done. Previously these were built to order.

Why is KEP doing this?

- Our graphical touchscreens are great products, with highly competitive features and aggressive pricing. Because of this, we will be putting an increased emphasis on these products this year.
- KEP believes that customers want immediate shipment of their orders. Customers want to know that KEP has the inventory to support their needs.
- Customer Satisfaction: KEP's customer surveys have shown that in addition to good features, high quality, and competitive pricing, **quick delivery** is a top requirement.

Same Day Shipment Program for Select Products

KEP is now offering Same Day Shipping of small quantities for a select group of products. See the list below for the Product part numbers that are eligible for Same Day Shipping:

115 Power Supply & AMP-1 Amplifier

115-24, AMP-1-10K

Signal Conditioners

SCFF1D, SCFID, SCIID

Field Indicators

BATRTM2C, SQUIRT2

LED Ratemeters and Totalizers

MRTA3, DRTA3, INT69PM2A1, INT69RTAS1, KRT8A3A2E

Batchers

MB2A3, BT28A3A2E, ST1LEL1A0P, ST1L1A0P

Flow Computers

ES749ST2L10P

Level Indicators

LT2L1A0P

Accessories

MS811NEMATROL4X1HL, MS811NEMAST4X1HL, MS821NEMA1/8DIN4X1, LCN4X, P10001, P1AC25M9MC

Availability may vary due to stock depletion from prior purchases and restock time. Quantities may be limited on certain models. Please check for availability when placing your order.

KEP **Kessler-Ellis Products Co.** 10 Industrial Way East, Eatontown, NJ 07724
Toll Free: 800-631-2165 • Phone: 732-935-1320 • Fax: 732-935-9344 • www.kep.com

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NOTICE 41
Trumeter Acquires Counting & Timing Division Of Kessler-Ellis Products

115/230 Series Power Supply

Part Number		Price
115-5	For all 5 Volt applications	$78.00
115-12	For all 12 Volt applications	$78.00
115-24	For all 24 volt applications	$78.00
230-24	For 230 VAC to 24 VDC applications	$78.00

Options (Add to end of Part Number)
***E** = Explosion Proof Housing ..... add $273.00
***N4** = NEMA4 Housing ..... add $73.00

200 Series Encoder

Ex: 230 12VDC 50PPR F .500 **Price**

Series
220C single channel $250.00
230 Quadrature (2 channels) $325.00

Input voltage
(specify)
5VDC standard voltages
12VDC standard voltages
Others available between
5 and 16VDC

Pulses Per Rev.
(specify)
Ranges: 220C = 1 to 600 PPR
230 = 1 to 100 PPR

Housing Type
F = Standard round for hollow shaft

Shaft Bore Size (specify)
Bore diameter in 1/1000 of inch
Ranges: .250" to .875"

32DINRAIL*

Model		Price
32DINRAIL	- DIN Rail Mounting Frame	$45.00
DR-4	= 4" DIN Rail	$ 7.00

460MMBS Series*

Model		Price
460MMBS:	Modbus RTU to BACnet/IP Converter	$ 870.00

520K Series*

Model		Price
520K.2:	Simple display counter	$ 119.00
521K.1:	Totalizer & position indicator with optocoupler	$ 145.00
521K.2:	Totalizer & position indicator w/out optocoupler	$ 145.00
522K.1:	Freq. meter & tachometer with optocoupler	$ 140.00
522K.2:	Freq. meter & tachometer w/out optocoupler	$ 130.00
523K.1:	Time meter with optocoupler	$ 140.00
523K.2:	Time meter w/out optocoupler	$ 130.00
524K.1:	Multipurpose device with optocoupler	$ 172.00
524K.2:	Multipurpose device w/out optocoupler	$ 170.00
525K.2:	Adding counter and tachometer	$ 170.00
526K.2:	Counter with two displays	$ 145.00
527K.2:	Display counter and time meter	$ 145.00
528K.2:	Time meter with two displays	$ 145.00
529K.2:	Analog display	$ 225.00
530K.2:	Analog Rate/Total	$ 235.00

Options (add to part number)
E200 - Outdoor Enclosure ..... add $ 55.00
E200x1 - Outdoor Enclosure with 1 cutout ..... add $ 65.00
E200x2 - Outdoor Enclosure with 2 cutouts ..... add $ 65.00
E200x3 - Outdoor Enclosure with 3 cutouts ..... add $ 85.00
E200x4 - Outdoor Enclosure with 4 cutouts ..... add $ 85.00
N7 - Explosion proof ..... add $355.00
N7R - Explosion proof with Reset* ..... add $475.00

Accessories
NEMA4 wall mount enclosures available see NEMA-32 & LCN4X
32DINRAIL - DIN Rail Mounting Frame ..... $ 45.00*
DR-4= 4" DIN Rail ..... $ 7.00

RoHS Compliant

531, 532 & 533 Series*

Model		Price
531k:	Temperature Display with RTD Input	$ 230.00
532k:	Temperature Display with thermocouple Input	$ 230.00
533k.2:	Setpoint Generator/Time Based Process Adjuster	$ 255.00

Options (add to part number)
E200 - Outdoor Enclosure ..... add $ 55.00
E200x1 - Outdoor Enclosure with 1 cutout ..... add $ 65.00
E200x2 - Outdoor Enclosure with 2 cutouts ..... add $ 65.00
E200x3 - Outdoor Enclosure with 3 cutouts ..... add $ 85.00
E200x4 - Outdoor Enclosure with 4 cutouts ..... add $ 85.00
N7 - Explosion proof ..... add $355.00
N7R - Explosion proof with Reset* ..... add $475.00

Accessories
NEMA4 wall mount enclosures available see NEMA-32 & LCN4X
32DINRAIL - DIN Rail Mounting Frame ..... $ 45.00*
DR-4= 4" DIN Rail ..... $ 7.00

RoHS Compliant

* Limited Discount Applies

700 Series Encoder

EX: 715-1 12VDC 200PPR 5OUS 500RPM A1 L2.3 Price

Series
- **711** (Single Square Wave Pulse) $255.00
- 712 (711 with Reference Pulse) $308.00
- 713 (2 Different Square Waves) $330.00
- *715-1 (Bi-Directional; 2 Channels) $394.00
- *715-2 (Bi-Directional; 1 Channel plus direction) $394.00
- **716** (Quadrature) $365.00
- *717 (High Resolution 711I) $320.00

Input Voltage
- **5 to 28 VDC (711 & 716 0nly)**
- 5 VDC
- 12 VDC
- 15 VDC
- 24 VDC

Pulses Per Rev.

Over 600PPR ..... add 60.00
(Model 713 ex.: 100/200 PPR)

***Pulse Width** (if required)
- ms = milliseconds
- us = microseconds

Shaft Maximum RPM (specify)

Housing Type
- **A**. Standard
  - **A1**. Single Shaft
  - A2. Dual Shaft
- B. Industrial: ..... add $128.00
  - B1. Single Shaft
  - B2. Dual Shaft
- C. Heavy Duty Housing:
  - C1 (with mating connector) ..... add $192.00
  - C2 (with mating connector & shaft seal) ..... add $255.00
  - C3 (with 1/2" conduit thread & terminal strip) ..... add $229.00
  - C4 (with shaft seal, 1/2" conduit thread & terminal strip) ..... add $294.00
  - C5 (extra heavy duty up to 50lb. radial load : 10mm shaft) ... add $217.00
- D. Explosion Proof ..... add $562.00
  (Class 1, Groups C & D / Class 2 Groups E, F, G / NEMA 7 & NEMA 9)

Other Options
- L- Custom Shaft ..... add $13.00
- B - 3/8" shaft option ..... add $22.00
- ENC MS: Extra mating connector ..... add $42.00
- ENC-CABLE##: Extra mating connector with 4-conductor cable ..... add $42.00 + $3.00/ft.
- Reference Pulse - Add 1N (neg. pulse) or 1P (pos. pulse) after PPR ..... add $93.00

ENCODER ACCESSORIES*

MEASURING WHEELS

Part number	Circum.	Rim Type	Bore	Width	Price
15537-530	12"	Rubber	1/4"	1"	$95.00
15537-070	12"	Rubber	1/4"	0.50"	$95.00
15537-535	12"	Knurled	1/4"	1"	$89.00
15537-510	12"	Knurled	1/4"	0.50"	$89.00
15537-525	12"	Smooth	1/4"	0.70"	$89.00

For 3/8" Bore add 3/8 to end off part number ADD $6.00

700 SERIES ENCODER BRACKETS	Price
Plate Mount Model **7005**	$130.00
Surface Mount Model **7006**	DISCONTINUED

* All Encoder Accessories and Brackets are limited discount to 20%

8000 Series Totalizer

EXAMPLE: 8 1 5 0 3(12) P E 3 B 100Hz PRICE

Digits
- 2 = 2 Digits
- 4 = 4 Digits
- 6 = 6 Digits
- **8** = 8 Digits

Operation
- 1 = Add/Subtract function ..... $ 625.00
- **0** = Totalizing function ..... $ 600.00

Operating Voltage
- 7 = 5 VDC
- 1 = 12 VDC
- 2 = 24 VDC
- **5** = 110 VAC - 50 - 400Hz
- 6 = 220 VAC - 50 - 400Hz

Size of Digits
- **0** = .375" (eight max.)
- 1 = .430" (six max.) ..... add $9.00/digit
- 2 = .600" (four max.) ..... add $9.00/digit

Input to Count
- 2 ( ) = Simultaneous pulses (3-30 VDC) ..... add $39.00
- **3** ( ) = High impedance pulses (3-30 VDC) ..... (Add/Subtract or Totalizer)
- 4 ( ) = Optically isolated (5 to 11) ..... or (12 to 28) VDC) ..... add $28.00
- 8 ( ) = AC pulses, (5-11 VAC or VDC) ..... add $ 32.00
- 8 ( ) = AC pulses, (12-260 VAC or VDC) ..... add $32.00
- 9 ( ) = Quadrature inputs (3-30 VDC) ..... add $72.00
- 9x2 ( ) = Quad X2 (3-30) ..... add $72.00
- 9x4 ( ) = Quad X4 (3-30) ..... add $78.00

Mounting
- **P** = Panel

Termination
- **E** = Edge connector - supplied
- T = Terminal block edge connector (not BCD) ..... add $28.00

Reset
- **2** = Remote
- 3 = Panel and remote ..... add $21.00

Options
- Z = Zero output
- D = Decimal point (specify decimal place from right e.g. D3=.XXX)

Specify Count Speed
- 0-40Hz
- 41-400Hz
- **401Hz-10KHz**
- Over 10KHz ..... add $43.00
- Over 100KHz ..... Consult Factory

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

Kessler-Ellis Products • 800-631-2165
Email orders to orders@kep.com

8200-8400 Series Timer

EXAMPLE: 8 2 5 0 JK(5) P E 2 **Price**

Digits $625.00
2, 4, 6, **8**

Operation
2 = Programmable (specify) - sec. & 1/10ths, 1/100ths, 1/1000ths, 1/10,000ths or minutes and 1/100ths.
3 = Hours, minutes, seconds - 9999, 59, 59
4 = Minutes, seconds 1/100ths - 59, 59, 99 (six .375" digits)

Operating Voltage
7 = 5 VDC (must be regulated ± 5%)
1 = 12 VDC
2 = 24 VDC
5 = 110 VAC - 50 to 400 Hz
6 = 220 VAC - 50 to 400 Hz

SIze of Digits
0 = .375" (eight max.)
1 = .430" (six max.) ..... add $9.00/digit
2 = .600" (four max.) ..... add $9.00/digit

Initiate Timing
C ( ) = Switch closure or 3-30 VDC levels (specify voltage)
JK ( ) = Pulse on, pulse off (specify voltage - i.e. JK (5) = 5 V)

Mounting
P = Panel

Termination
E = Edge connector (supplied) standard
T = Terminal block (not on BCD) ..... add $28.00

Reset
2 = Remote
3 = Panel and remote ..... add $21.00

9000 Series Encoder*

Example 9010 1 3 1 6 0250 **Price**

Series $310.00

Range
1 = synchronous flange

Shaft (D x L)
1 = .472 x 1.18 (12mm x 30mm)

Version
1 = channel A
2 = channels A + O (Special Order) ..... add $22.00
3 = channels A + B ..... add $22.00
4 = channels A + B + O (Special Order) ..... add $50.00

Type of Connection
5 = connector radial without mating connector
6 = connector radial with mating connector ..... add $16.00

Pulse Per Revolution
(STD for Quick Delivery: 0060, 0250,0600)
0001-0250
0251-0600 ..... add $32.00
0601-2000 ..... add $123.00
2001-5000 ..... add $139.00

Accessories
9010AM1= Angle Mount Bracket 4.7" x 1.6" $21.00
5810AC= Mating Connector 5810/9010 ..... $16.00

RoHS Compliant

ADAM-4572*

Part Number	Description	Price
ADAM-4572	1-Port Modbus to Ethernet Data Gateway	$335.00

AMP1 Series Amplifier

Model		Price
AMP 1:	Standard unit	$ 73.00
AMP-1-10k:	AMP-1 with 10 kΩ input impedance	$ 73.00
AMP-1-N:	AMP-1 for Nemur Sensors	$ 73.00
	(Consult factory for availability of AMP-1-N)	

Options (Add to end of Part Number)
***E** = Explosion Proof Housing ..... add $273.00
***N4** = NEMA4 Housing ..... add $73.00

AMP2 Series Dual Amplifier

EXAMPLE: AMP2 1 HF2 **Price**

Series:

Mounting:
0 = OEM (board only) ..... $ 93.00
1 = NEMA 4X Box $165.00
2 = Explosion Proof Housing $195.00

Mounting Options for NEMA 4X:
H2 = 0.875" Hole for NEMA4X mounting style ..... add $ 12.00
HF2 = 0.5" Female NPT Hub fitting for NEMA4X mounting style ..... add $ 27.00
H3 = 1.125" Hole for NEMA4X mounting style ..... add $ 12.00
HF3 = 3/4" Female NPT Hub fitting for NEMA4X mounting style ..... add $ 27.00

Additional conduit entry configurations are available, consult factory.

Accessories:
TFMMK-1 = Turbine Flowmeter Mounting Kit for flow meters with a 1" Male NPT riser ..... add $ 52.00
TFMMK-3/4 = Turbine Flowmeter Mounting Kit for flow meters with a 3/4" Male NPT riser ..... add $ 52.00
CATM 2-18FL = 18" Long Turbine Flowmeter Cable Assembly ..... add $ 16.00

* Limited Discount Applies

APM-PROC Process Meter*

EXAMPLE: APM-PROC APO Price

Series: $125.00
Process Meter
Display Type:
APO = Positive LCD
ANO = Negative LCD
Accessories:
*APM-E200 - Outdoor Enclosure with cutout for 1 APM..... $ 65.00
*022128-01 = USB Cable $18.00

BAT D/T Dual Totalizer

BATDT is no longer Available, see BAT D/T-M below:

BAT D/T - M Dual Totalizer

EXAMPLE: BATDTM 3 A 4 ET Price

Series:
Mounting:
† 0 = OEM .....$ 373.00
† **1** = Panel Mount.....$ 380.00
2 = NEMA 4X Box (Bat D/T behind clear cover) .....$ 443.00
3 = Explosion Proof Housing.....$ 605.00
3NE = Explosion Proof Housing, White.....$ 605.00
Includes Third Conduit Entry
3SS = Stainless Steel Ex-Proof Housing ..... consult factory
5 = NEMA 4X Box (Bat D/T outside opaque cover) .....$ 407.00
6 = Double Ended Explosion Proof Housing .....$ 837.00
Power Supply:
† A = Battery (2 supplied).....add $ 24.00
B = External Power Supply (8.5 to 30 VDC)
C = Loop Powered with 4-20 mA Output.....add $ 145.00
AC = Loop Powered with 4-20 mA Output .....add $ 168.00
and 2 Batteries
Options (Multiple Options Available)
S1 = Serial Setup Software for use with BSAC1
S2 = RS485/Modbus/Data Logger - Isolated .....add $ 135.00
(power options B. C only)
4 = 20 Point Linearization (10 point with S2 option).....add $ 59.00
D = Rate per Day , Hour or Minute
ET = Extended Temp.: -22°F to 158°F (-30°C to 70°C).....add $ 59.00
CE = CE Approved Version (LVD & EMC only)
CSA = CSA Approved Version (explosion proof).....add $ 27.00
IS** = UL Listed IS (consult factory).....add $ 55.00
ATEXCASE** = European Flame Proof.....add $ 94.00
ATEX Case (consult factory)
TRX = NEMA7 Explosion Proof Reset Switch.....add $ 128.00
on Third Conduit Entry (mounting style 3 only)
RN = External Magnetic Reset .....add $ 78.00
T = Third Conduit Entry in Ex-Proof Housing .....add $ 27.00
(mounting style 3 only)
H2 = 0.875" Hole for mounting styles 2 and 5 .....add $ 12.00
HF2 = 0.5" Female NPT Hub fitting (mount styles 2 & 5) .....add $ 27.00
H3 = 1.125" Hole for mounting styles 2 and 5 .....add $ 12.00
HF3 = 0.75" Female NPT Hub fitting (mount styles 2 & 5) .....add $ 27.00
Special Battery Options
NB = No Battery .....sub $ 25.00
AB = Supplied with A size batteries..... N/C
Accessories:
BATPACK= External Batt. Pack with .....add $ 95.00
2 C Size Batteries & 12" leads
BATC = Single Battery: Tadiran P/N TL2200/S .....add $ 25.00
3.6V 7200mAh or equal
115-24 = 115 VAC to 24 VDC power supply.....add $ 74.00
BSAC1 = RS232 Serial Adapter Cable .....add $ 163.00
with setup software
TFMMK-1 = Turbine Flowmeter Mounting Kit .....add $ 52.00
for flow meters with a 1" Male NPT riser
TFMMK-3/4 = Turbine Flowmeter Mounting Kit .....add $ 52.00
for flow meters with a 3/4" Male NPT riser
CA-TFM-2-18FL = 18" Long Turbine Flowmeter .....add $ 16.00
Cable Assembly

† External battery pack supplied with models BATDTM0A & BATDTM1A
** Contact factory for latest information

BAT RAT Ratemeter/Totalizer

BATRAT is no longer Available, see BATRAT-M below:

BAT RAT - M Ratemeter/Totalizer

EXAMPLE: BATRATM 3 A 4 ET Price

Series:
Mounting:
† 0 = OEM .....$ 373.00
† **1** = Panel Mount.....$ 380.00
2 = NEMA 4X Box (Bat D/T behind clear cover) .....$ 443.00
3 = Explosion Proof Housing.....$ 605.00
3NE = Explosion Proof Housing, White.....$ 605.00
Includes Third Conduit Entry
3SS = Stainless Steel Ex-Proof Housing ..... consult factory
5 = NEMA 4X Box (Bat D/T outside opaque cover) .....$ 407.00
6 = Double Ended Explosion Proof Housing .....$ 837.00
Power Supply:
† A = Battery (2 supplied).....add $ 24.00
B = External Power Supply (8.5 to 30 VDC)
C = Loop Powered with 4-20 mA Output.....add $ 145.00
AC = Loop Powered with 4-20 mA Output .....add $ 168.00
and 2 Batteries
Options (Multiple Options Available)
S1 = Serial Setup Software for use with BSAC1
S2 = RS485/Modbus/Data Logger - Isolated .....add $ 135.00
(power options B. C only)
4 = 20 Point Linearization (10 point with S2 option).....add $ 59.00
D = Rate per Day , Hour or Minute
ET = Extended Temp.: -22°F to 158°F (-30°C to 70°C).....add $ 59.00
CE = CE Approved Version (LVD & EMC only)
CSA = CSA Approved Version (explosion proof).....add $ 27.00
IS** = UL Listed IS (consult factory).....add $ 55.00
ATEXCASE** = European Flame Proof.....add $ 94.00
ATEX Case (consult factory)
TRX = NEMA7 Explosion Proof Reset Switch.....add $ 128.00
on Third Conduit Entry (mounting style 3 only)
RN = External Magnetic Reset .....add $ 78.00
T = Third Conduit Entry in Ex-Proof Housing .....add $ 27.00
(mounting style 3 only)
H2 = 0.875" Hole for mounting styles 2 and 5 .....add $ 12.00
HF2 = 0.5" Female NPT Hub fitting (mount styles 2 & 5) .....add $ 27.00
H3 = 1.125" Hole for mounting styles 2 and 5 .....add $ 12.00
HF3 = 0.75" Female NPT Hub fitting (mount styles 2 & 5) .....add $ 27.00
Special Battery Options
NB = No Battery .....sub $ 25.00
AB = Supplied with A size batteries..... N/C
Accessories:
BATPACK= External Batt. Pack with .....add $ 95.00
2 C Size Batteries & 12" leads
BATC = Single Battery: Tadiran P/N TL2200/S .....add $ 25.00
3.6V 7200mAh or equal
115-24 = 115 VAC to 24 VDC power supply.....add $ 74.00
BSAC1 = RS232 Serial Adapter Cable .....add $ 163.00
with setup software
TFMMK-1 = Turbine Flowmeter Mounting Kit .....add $ 52.00
for flow meters with a 1" Male NPT riser
TFMMK-3/4 = Turbine Flowmeter Mounting Kit .....add $ 52.00
for flow meters with a 3/4" Male NPT riser
CA-TFM-2-18FL = 18" Long Turbine Flowmeter .....add $ 16.00
Cable Assembly

† External battery pack supplied with models BATDTM0A & BATDTM1A
** Contact factory for latest information

* Limited Discount Applies

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

BAT R/T

BAT R/T is no longer Available, see BAT R/T-M below:

BAT R/T Millennium

EXAMPLE: BATRTM 3 A 4 ET

Series:

Mounting:

† 0 = OEM ..... $ 373.00
† **1** = Panel Mount ..... $ 380.00
2 = NEMA 4X Box (Bat D/T behind clear cover) ..... $ 443.00
3 = Explosion Proof Housing ..... $ 605.00
3NE = Explosion Proof Housing, White ..... $ 605.00
Includes Third Conduit Entry
3SS = Stainless Steel Ex-Proof Housing ..... consult factory
5 = NEMA 4X Box (Bat D/T outside opaque cover) ..... $ 407.00
6 = Double Ended Explosion Proof Housing ..... $ 837.00

Power Supply:

† A = Battery (2 supplied) ..... add $ 24.00
B = External Power Supply (8.5 to 30 VDC)
C = Loop Powered with 4-20 mA Output ..... add $ 145.00
AC = Loop Powered with 4-20 mA Output ..... add $ 168.00
and 2 Batteries

Options (Multiple Options Available)

S1 = Serial Setup Software for use with BSAC1
S2 = RS485/Modbus/Data Logger - Isolated ..... add $ 135.00
(power options B. C only)
4 = 20 Point Linearization (10 point with S2 option) ..... add $ 59.00
D = Rate per Day , Hour or Minute
ET = Extended Temp.: -22°F to 158°F (-30°C to 70°C) ..... add $ 59.00
CE = CE Approved Version (LVD & EMC only)
CSA = CSA Approved Version (explosion proof) ..... add $ 27.00
IS** = UL Listed IS (consult factory) ..... add $ 55.00
ATEXCASE** = European Flame Proof ..... add $ 94.00
ATEX Case (consult factory)
TRX = NEMA7 Explosion Proof Reset Switch ..... add $ 128.00
on Third Conduit Entry (mounting style 3 only)
RN = External Magnetic Reset ..... add $ 78.00
T = Third Conduit Entry in Ex-Proof Housing ..... add $ 27.00
(mounting style 3 only)
H2 = 0.875" Hole for mounting styles 2 and 5 ..... add $ 12.00
HF2 = 0.5" Female NPT Hub fitting (mount styles 2 & 5) ..... add $ 27.00
H3 = 1.125" Hole for mounting styles 2 and 5 ..... add $ 12.00
HF3 = 0.75" Female NPT Hub fitting (mount styles 2 & 5) ..... add $ 27.00

Special Battery Options

NB = No Battery ..... sub $ 25.00
AB = Supplied with A size batteries ..... N/C

Accessories:

BATPACK= External Batt. Pack with ..... add $ 95.00
2 C Size Batteries & 12" leads
BATC = Single Battery: Tadiran P/N TL2200/S ..... add $ 25.00
3.6V 7200mAh or equal
115-24 = 115 VAC to 24 VDC power supply ..... add $ 74.00
BSAC1 = RS232 Serial Adapter Cable ..... add $ 163.00
with setup software
TFMMK-1 = Turbine Flowmeter Mounting Kit ..... add $ 52.00
for flow meters with a 1" Male NPT riser
TFMMK-3/4 = Turbine Flowmeter Mounting Kit ..... add $ 52.00
for flow meters with a 3/4" Male NPT riser
CA-TFM-2-18FL = 18" Long Turbine Flowmeter ..... add $ 16.00
Cable Assembly

† External battery pack supplied with models BATDTM0A & BATDTM1A
** Contact factory for latest information

RoHS Compliant planned

BB2-3010 Series*

Model	Price
BB2-3010:	$ 644.00

Modbus RTU to BACnet MS/TP Gateway

BC (Beacon) DPM

Example BC 1 DX G Price

BEACON $155.00

Power:

1= 5VDC
2= 8-24VDC (DC ranges jumper selectable) ..... add $16.00
4= 115VAC ┐ All ranges ..... add $30.00
5= 230VAC ┘ jumper selectable ..... add $30.00

Input:

DS=DC Volt/Current display STD Input (no scaling)
D0= DC Volt/Current scale from "0" only
DX=DC Volt/Current scale with "0" offset ..... add $16.00
A0= AC or DC Volt/Current scale from "0" only ..... add $16.00
AX=AC or DC Volt/Current scale with "0" offset ..... add $30.00

Options:

G= Green LED's ..... add $16.00
S= Small Bezel (2.12" H x 4.01" W) ..... add $16.00
2A= 0 - 1.999 A input option ..... add $7.00
5A= 0 - 5 Amp input option ..... add $7.00

Accessories:

NEMA4 wall mount enclosure available see LCN4X & MS821
Explosion proof enclosure available see XHV

BCAL1 = Descriptor Labels: %, °F, °C, Hz, kHz, ... $3.00
RPS, V DC, mA DC, mV DC, V AC,
mA AC, mV AC, uA DC, A AC, A DC
BCAL2 = Descriptor Labels: ft/sec, ft/min, ft/hr, ... $3.00
ft^3/sec, ft^3/min, ft^3/hr, GPM, GPH, RPM,
in/sec, in/min, in/hr, lb/sec, lb/min, lb/hr
BCAL3 = Descriptor Labels: L/sec, L/min, L/hr, ... $3.00
m^3/sec, m^3/min, m^3/hr, m/sec, m/min,
m/hr, kpa, bar, kg, lb, PSI, kW
BCR2A =External .1Ω 1% 5W shunt (0 - 1.999 A) $6.00

BCSCALE = Custom Scaling $38.00
(Specify with each unit, see below)

Example:	**Input**	**IDC**	**0.004**	**0.020**
	Display	**10.0**	**150.0**	

Where:

IDC = DC Current, IAC = AC Current
VDC = DC Voltage, VAC = AC Voltage
Low Range 0.004 = 4 mA
High Range 0.020 = 20 mA
Low Display = 10.0
High Display = 150.0

* Limited Discount Applies

BT2 (Batchtrol-II) Batcher

Example	BT28	A	3A	2	A	1 3	Price

Series:
Batchtrol II ..... $ 623.00

Operating Voltage:
A: 110 VAC ±15% or 12 to 27 VDC
B: 220 VAC ±15% or 12 to 27 VDC

Control Inputs:
† **3A**: STD Pulse 3-30 VDC 20 kHz Max.
† 3B: As 3A, with 4.7 KΩ pull up resistors
† 3M: Mag. Pickup Preamplifier (no analog outputs) .... add $ 66.00
5A: 4-20 mA ..... add $ 109.00
5B: 0-20 mA ..... add $ 109.00
5C: 1-5 VDC ..... add $ 109.00
5D: 0-5 VDC ..... add $ 109.00
5E: 0-10 VDC ..... add $ 109.00
6A: 4-20 mA Square Law ..... add $ 200.00
7A: 4-20mA in, 4-20mA out ..... add $ 284.00
7B: 0-20mA in, 4-20mA out ..... add $ 284.00
7C: 1-5VDC in, 4-20mA out ..... add $ 284.00
7D: 0-5VDC in. 4-20mA out ..... add $ 284.00
7E: 0-10VDC in, 4-20mA out ..... add $ 284.00

For Other Outputs:
Add X for 0-20mA out
Add Y for 0-5V out
Add Z for 0-10V out

Control Outputs:
1: Open Collector
2: SPDT Relay 10A

Input Speed:
† A: 0-40 CPS (Inputs 3A, 3B)
† C: 0-400 CPS (Inputs 3A, 3B)
† **E**: 0-20K CPS (Inputs 3A, 3B)
K: Inputs 5A-5E, 6A, 7A-7E
† Dip switch selectable,
all units can be field modified easily.

Options: (Multiple Options Available)
1: RS232 Serial Interface ..... add $ 147.00
2: RS422 Serial Interface ..... add $ 147.00
3: 4-20 mA Output (Input 3A or 3B only) ..... add $ 138.00
3X: 0-20 mA Output (Input 3A or 3B only) ..... add $ 138.00
3Y: 0-5VDC Output (Input 3A or 3B only) ..... add $ 138.00
3Z: 0-10VDC Output (Input 3A or 3B only) ..... add $ 134.00
4: 16 Point Linearization Opt. ..... add $ 66.00
CSA: CSA Approved Unit (pending) ..... Consult Factory
ET: Extended Temperature: ..... Consult Factory
-40° to 158°F (-40° to 70° C)
ET not available with analog inputs or outputs

Accessories:
*FLEXCOVER #36120 ..... $ 50.00
NEMA 4X wall mount enclosure available, see MS811
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285

RoHS Compliant planned

CA285 RS422/485-RS232 Adaptor

EXAMPLE	CA285	Price
Series		$ 276.00

*CA-285 RS-422/485 to RS-232 Communication Adaptor

cMT-SVR

EXAMPLE	CMT-SVR	Price
Series		$ 450.00

Machine to iPad/Andriod Tablet interface

cMT-iV5

EXAMPLE	CMT-iV5	Price
Series		$ 650.00

Industrial HMI Tablet

D Series Proximity Sensors

TYPE	SIZE	PRICE
NPN Type (sink)	D08N	$82.00
	D12N	$82.00
	D18N	$82.00
PNP Type (source)	D08P	$82.00
	D12P	$82.00
	D18P	$82.00

DN55E0300 & DN6503510 HMI Accessories

DN55E0300 ..... $2.00 each
Power connector for MMI8xxxH and eMT3xxx Series HMI
DN6503510 ..... $2.00 each
Power connector for MMI8xxxiE Series HMI

DPFC Stack DP Flow Computer

Not Available!- See SUPERtrol II (ST2) with Stacked DP option for Replacement

* Limited Discount Applies

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

DRT Dual Ratemeter/Totalizer

Example: DRT A 3 A Price

Series:

DRT= 6 digits counter, 5 digit ratemeter with presets and scaling. ..... $ 380.00

Operating Voltage:

A= 110 VAC ± 15% or 12 to 15 VDC
B= 220 VAC ± 15% or 12 to 15 VDC
C= 24 VAC ± 15% or 12 to 15 VDC

Count Inputs:

3 = Standard, 4-30 VDC simultaneous inputs.
3M = Mag. Input, Input A only, 30mV input (Input B, 4-30V) ..... add $ 61.00
3MB = Mag. Input, Inputs A & B, 30mV input ..... add $ 61.00

Options

1= RS232 Communications ..... add $ 132.00
2= RS422 Communications ..... add $ 132.00
3= Modbus RTU RS232 ..... add $ 163.00
4= Modbus RTU RS422/RS485 ..... add $ 163.00
A= Analog Output (4-20/0-20 mA) ..... add $ 135.00

NOTE: RS232/RS422/RS485 & Analog Output options can not be combined

Accessories

Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285
NEMA4 wall mount enclosure available see LCN4X & MS821
Explosion proof enclosure available see XHV

RoHS Compliant planned

DRT (ES730) Dual Ratemeter/Totalizer

Example: ES730 DRT A 3 A Price

Series:

ES730 DRT= 5 digits, counter / ratemeter with presets, scaling and display indicators ..... $ 380.00

Operating Voltage:

A= 110 VAC ± 15% or 12 to 15 VDC
B= 220 VAC ± 15% or 12 to 15 VDC
C= 24 VAC ± 15% or 12 to 15 VDC

Count Inputs:

3 = Standard, 4-30 VDC simultaneous inputs.
3M = Mag. Input, Input A only, 30mV input (Input B, 4-30V) ..... add $ 61.00
3MB = Mag. Input, Inputs A & B, 30mV input ..... add $ 61.00

Options

1= RS232 Communications ..... add $ 132.00
2= RS422 Communications ..... add $ 132.00
3= Modbus RTU RS232 ..... add $ 163.00
4= Modbus RTU RS422/RS485 ..... add $ 163.00
A= Analog Output (4-20/0-20 mA) ..... add $ 135.00

NOTE: RS232/RS422/RS485 & Analog Output options can not be combined

Accessories

Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285
NEMA4 wall mount enclosure available see LCN4X & MS821
Explosion proof enclosure available see XHV

RoHS Compliant planned

DT20 Day Timer**

Example: DT20 A Price

Series:

DT20= Day Timer ..... $ 92.00

Operating Voltage:

A= 110 VAC
B= 220 VAC
C= 24 V AC/DC

Mounting Accessories

DTA-PH = Panel Housing for Panel Mount ..... $ 12.00
DTA-CC= Clear Cover for Panel Housing (DTA-PH) ..... $ 7.00
DTA-B= Base with Screw Terminal (not for panel mounting) ..... $ 12.00
DTA-TC= Terminal Cover for DTA-B ..... $ 7.00
*DTA-E150= Indoor Enclosure ..... $ 50.00
*DTA-E200= Outdoor Enclosure ..... $ 55.00

** DT20 has limited discount of 20%

E200 Enclosure

Model	Price
E200-0 - Outdoor Enclosure	add $ 55.00
E200-1 - Outdoor Enclosure with 1 cutout	add $ 65.00
E200-2 - Outdoor Enclosure with 2 cutouts	add $ 65.00
E200-3 - Outdoor Enclosure with 3 cutouts	add $ 85.00
E200-4 - Outdoor Enclosure with 4 cutouts	add $ 85.00

eMT3000 Series HMI Touchscreen Displays

Part Number	Description	Price
eMT3070B	7" TFT LCD HMI, 256MB flash memory 256MB RAM	$680
eMT3105P	10.4" TFT LCD HMI, 256MB flash memory/256MB RAM on board	$1360
eMT3120A	12.1" TFT LCD HMI, 256MB flash memory/256MB RAM on board, Video Input Port RCA x 2	$1550
eMT3150A	15" TFT LCD HMI 256MB flash memory/256MB RAM on board, Video Input Port RCA x 2	$1799

Accessories:

MT8-COM1:	RS232 1 & 2 for all MMI8000/eMT3000	$50
MT8-COM3:	RS485 & 232 breakout for all MMI8000/eMT3000	$50

EMWS Miniature Encoder with Measuring Wheel

Part Number	Description	Price
EMWS-250	Encoder with Quadrature Output, 250 PPR	$310
EMWS-500	Encoder with Quadrature Output, 500 PPR	$310
EMWS-1000	Encoder with Quadrature Output, 1000 PPR	$310
161360	Urethane (6" Circumference) Wheel	$35
161401	Knurled (6" Circumference) Wheel	$35
140104	EMWS Mounting Bracket allows for a variety of mounting positions and makes installation even easier.	$20

* Limited Discount Applies

FLOWTROL (FLO8) Batcher

Example	FLO8	A	1	Price
FLOWtrol				$676.00

Operating Voltage:
- **A**: 110 VAC ±15% or 12 to 27 VDC
- B: 220 VAC ±15% or 12 to 27 VDC

Options:
- 1: RS232 Serial Interface ..... add $142.00
- 2: RS422 Serial Interface ..... add $142.00

Accessories:
- *FLEXCOVER #36120 ..... $ 50.00

NEMA 4X wall mount enclosure available, see MS811
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285

FPC Gateway*

Example:	FPC-N34-0804	BAC/IP	Price
Series:			$746.00

- **FPC-N34-0804** = ST2 Gateway for Modbus RTU to BACnet IP, BACnet MS/TP, Modbus TCP/IP, Metasys N2, AB DF1, AB EtherNet/IP
- **FPC-N35-0059** = ST2 Gateway for Modbus RTU to LonWorks
- **FPC-N34-0794** = ES762ST2 Gateway for Modbus RTU to BACnet IP, BACnet MS/TP, Modbus TCP/IP, Metasys N2, AB DF1, AB EtherNet/IP
- **FPC-N35-1079** = ES762ST2 Gateway for Modbus RTU to LonWorks

Protocol:
- **BAC/IP** = BACnet IP
- **BACMS/TP** = BACnet MS/TP
- **MOD/IP** = Modbus TCP/IP
- **METASYS/N2** = Metasys N2
- **ABDF1** = AB DF1
- **ABETH/IP** = AB EtherNet/IP
- **LONWORKS** = LonWorks

OPTIONS

SPA39179	Din rail mounting clip	$39.00
E200-0-SP-A	E200 Outdoor Enclosure with FPC mounted on sub panel	$87.00
ML30.100	24V Power Supply	$120.00

HFC-100 Heat Flow Computer

Preliminary Pricing

EXAMPLE:	HFC-100	B	5	S2
Series:				

Power Supply:
- A = Dual Battery or 24VDC $580.00
- B = Single Battery or 24VDC $557.00
- C = 4-20mA Output Option (loop powered) $692.00

RTD Resistance
- 1 = 100 ohm RTD
- 5 = 500 ohm RTD
- 10 = 1000 ohm RTD

Options
- S2 = Serial Communication: RS-485 Modbus RTU ..... add $103.00

Accessories
- Matched RTD Sensors Set ..... from $237.00
- Water Meters ..... consult factory
- LAN Gateways ..... see ADAM4572AE
- DDE/OPC Servers ..... see KEPServerEX
- Remote Metering Software ..... see Infilink HMI
- 24VDC Power Supply ..... see ML30.100

HVM-1 Module

Part number		Price
HVM-1		$29.00

IEPS-1000 Series Port Server*

Part number		Price
IEPS1101	1-port	$ 308.00

IEPS-3000 Series Port Server*

Part number		Price
IEPS3182	2-port	$769.00
IEPS3282	2 port with optional HUB port	$849.00
IEPS3184	4-port	$1082.00
IEPS3284	4 port with optional HUB port	$1163.00

IM-2400 Internal Modem

Part number		Price
IM-2400 = Internal Modem for SUPERtrol Family		$217.00

INT62 Timer

EXAMPLE:	INT62	A	1	A	1	5	A	Price
Series								

Mode
- X = Non Preset (non-keyboard) $355.00
- **A** = 1 Preset $380.00

Control Outputs
- X = None (non-keyboard)
- **1** = 10 Amp Relay
- 2 = Open Collector Transistor

Scalability
- X = None (non-keyboard)
- **A** = ÷ by 1 to 100

Input
- **1** = 3 to 30 Volt DC pulse

Power Supply
- 1 = 12 VDC
- 2 = 24 VDC
- **5** = 110 VAC 50/60 Hz
- 6 = 220 VAC 50/60 Hz

Data Outputs
- **X** = None
- A = Parallel BCD ..... add $138.00
- 2 = Add "2" suffix if non-keyboard unit)

Accessories
- Non keyboard panel separate: Model 34235 ..... $35.00
- Keyboard panel Model 34236 ..... $53.00
- 25061 Terminal Block $28.00
- NEMA4 wall mount enclosure available see LCN4X & MS821
- Explosion proof enclosure available see XHV

* Limited Discount Applies

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

INFILINK HMI Software

INFILINK HMI Project Development Kit (PDK) for Windows 8/7/XP

The INFILINK HMI Project Development Kit (PDK) contains the full INFILINK HMI disk set, a User Manual and all of KEPware's current OPC/DDE servers. The PDK allows for full project development with no tag limitations. The PDK runtime is limited to one hour. The KEPServer OPC/DDE drivers are limited to one hour of runtime.

KEPPDK - INFILINK HMI Project Development Kit **....**FREE, 1 /customer with drivers & manual or download the full Infilink-HMI and KEPServerEX software from www.kep.com

INFILINK HMI Run-time for Windows*

Includes the 32 bit Infilink HMI and any one KEPServerEX OPC Server.

KEPRUN-128 - 128 Tag Run-time License $1295
KEPRUN-256 - 256 Tag Run-time License $1495
KEPRUN-512 - 512 Tag Run-time License $1750
KEPRUN-0000 - Unlimited Tag Run-time License $1995
KEPRUN-REPORT - Optional Reporting Feature.....$500

Webserver, telephony, and email functions available in unlimited tag version only.
This program runs under Windows 8, 7, Vista, and XP.

Support & Training Services

General Phone and Email Support ..... Always Free
KEPRUN-1YEAR $295
One year of engineering support for one Infilink-HMI serial number. Includes troubleshooting support by GoToAssist remote login, email, and telephone. Free Infilink-HMI version upgrades.
Infilink-HMI Training at KEP.....Consult Factory
Infilink-HMI Training at Customer Location .....Consult Factory

For information on Infilink-HMI, email: ron@kep.com or call KEP at 732-935-1320 ext: 332.

Download Infilink-HMI and KEPServerEX from www.kep.com

INT69PM2 Process Monitor

EXAMPLE: INT69PM2 A 1 A Price

Series
INT69PM2= Process Monitor.....$244.00
Operating Voltage
A= 110 VAC ± 15% or 12 to 24 VDC
B= 220 VAC ± 15% or 12 to 24 VDC
Control outputs
1= 2 - Open Collector Outputs
2= 2 - 10 Amp Form C Relays.....add $55.00
Options (multiple options available)
A= Analog Output (4-20mA).....add $82.00
C1= RS232 Communications.....add $82.00
C2= RS422 Communications.....add $82.00

Accessories
Separate non keyboard panel order #34235.....$ 37.00
Separate keyboard panel - order #34242.....$ 55.00
NEMA 4X wall mount enclosure available, see LCN4X & NEMA-1/8DIN
XHV 7/4 Explosion Proof Housing available, see XHV7/4
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285

RoHS Compliant planned

INTELLECT-69 (INT69) Ratemeter/Totalizer

Example: INT69RT A L 1 A C1 Price

Series:
INT69RT= Ratemeter / Totalizer .....$ 298.00
INT69R= Ratemeter Only.....$ 244.00
INT69T= Totalizer Only .....$ 244.00
Operating Voltage:
A= 110 VAC ± 15% or 12 to 24 VDC
B= 220 VAC ± 15% or 12 to 24 VDC
Inputs:
L= Linear
S= Square Law
Control outputs:
1= 2 - Open Collector Outputs (standard)
2= 2 - 10 Amp Form C Relays (optional).....add $ 55.00
Options (Multiple Options Available)
A= Analog Output (4-20 mA).....add $ 82.00
D= Rate per Day, Hour or Minute.....add $ 27.00
C1= RS 232 communications.....add $ 82.00
C2= RS 422 communications.....add $ 82.00

Accessories
Separate non keyboard panel order #34235.....$ 37.00
Separate keyboard panel - order #34242.....$ 55.00
NEMA 4X wall mount enclosure available, see LCN4X & NEMA-1/8DIN
XHV 7/4 Explosion Proof Housing available, see XHV7/4
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285

RoHS Compliant planned

* Limited Discount Applies

KEPServer *

Includes one device driver and one software code key.
The KEPServer drivers are only provided as an accessory for use with KEP's products. For standalone KEPServer sales, please contact **www.kepware.com**

Description	Product ID#	Price
ABB TotalFlow	EX5-ABBTF-NA00	$2,795
Allen-Bradley 1609 UPS	EX5-ABUPS-NA00	$995
Allen-Bradley Bulletin 900	EX5-ABBL9-NA00	$995
Allen-Bradley Suite	EX5-ABSTE-NA00	$995
Alstom Redundant Ethernet Suite	EX5-ALSTM-NA00	$1,495
Analog Devices	EX5-AD6BS-NA00	$995
Aromat Suite	EX5-ARMCL-NA00	$995
AutomationDirect EBC	EX5-ADEBC-NA00	$995
AutomationDirect Suite	EX5-ATDRT-NA00	$995
BACnet/IP	EX5-BCNET-NA00	$1,495
Beckhoff TwinCAT I/O	EX5-BCFTC-NA00	$995
Bristol/IP	EX5-BRSTL-NA00	$1,695
BUSWARE Ethernet	EX5-BUSWR-NA00	$995
Contrex Suite	EX5-CTFCX-NA00	$995
Custom Interface Driver	EX5-CUSID-NA00	$995
Cutler-Hammer Suite	EX5-CTRHM-NA00	$995
Dataforth isoLynx	EX5-DFILX-NA00	$995
DDE Client Driver	EX5-DDECC-NA00	$995
DNP Suite	EX5-DNP30-NA00	$3,195
Enron Modbus	EX5-ENRNM-NA00	$2,195
Fisher ROC Suite	EX5-ROCPL-NA00	$2,795
Fuji Flex	EX5-FUJFX-NA00	$995
GE Focas1 Ethernet	EX5-GEFCS-NA00	$995
GE Intelligent Platforms	EX5-GEFNC-NA00	$995
Hilscher Universal	EX5-HILUN-NA00	$995
Honeywell Suite	EX5-HYSTE-NA00	$995
IA Super SEL	EX5-IASEL-NA00	$995
Idec	EX5-IDCCL-NA00	$995
IEC 60870-5 Suite	EX5-60870-NA00	$3,195
IEC 61850 MMS Client Driver	EX5-61850-NA00	$3,195
IOtech PointScan 100	EX5-IOTPS-NA00	$995
Krauss Maffei MC4 Ethernet	EX5-KRMFE-NA00	$995
Lufkin Modbus	EX5-LUFKN-NA00	$2,795
Mettler Toledo	EX5-MTSRL-NA00	$995
Micro-DCI	EX5-FPMDC-NA00	$995
Mitsubishi Suite	EX5-MITSU-NA00	$995
Modbus Suite	EX5-MDBUS-NA00	$995
MTConnect	EX5-MTCON-NA00	$995
ODBC Client Driver	EX5-ODBCI-NA00	$995
OMNI Flow Computer	EX5-OMNIF-NA00	$1,695
Omron Suite	EX5-OMRNF-NA00	$995
OPC Connectivity Suite	EX5-OPCCS-NA00	$995
Optimation OptiLogic	EX5-OPTLG-NA00	$995
Opto 22 Ethernet	EX5-OPTOE-NA00	$995
Partlow ASCII	EX5-PTLWA-NA00	$995
Philips P8/PC20	EX5-PHLPS-NA00	$995
SattBus Suite	EX5-SATBS-NA00	$995
Scanivalve Ethernet	EX5-SCNVE-NA00	$995
Siemens Suite	EX5-SIEMS-NA00	$995
Simatic 505 Suite	EX5-SM505-NA00	$995
Simulation Suite	EX5-ADVSM-NA00	$695
SIXNET Suite	EX5-SIXET-NA00	$995
SNMP Suite (1-15 devices)	EX5-ISNMP-BA15	$1,095
SNMP Suite (16-50 devices)	EX5-ISNMP-EX50	$2,095
SNMP Suite (Unlimited)	EX5-ISNMP-EN00	$2,795
SquareD Serial	EX5-SQRDS-NA00	$995
System Monitor	EX5-SYSMN-NA00	$995
Telemecanique Uni-Telway	EX5-TLMUW-NA00	$995
Thermo Westronics Suite	EX5-THWSV-NA00	$995
TIWAY Host Adapter	EX5-SIUTW-NA00	$995
Torque Tool Ethernet	EX5-TORQT-NA00	$995
Toshiba Suite	EX5-TSBEN-NA00	$995
Toyopuc PC3/PC2 Suite	EX5-TYP3E-NA00	$995
Triconex Ethernet	EX5-TRCXE-NA00	$2,995
(U-CON) User-Configurable Protocol Driver	EX5-UCOND-NA00	$995
WAGO Ethernet	EX5-WAGOE-NA00	$995
Weatherford 8500	EX5-WFORD-NA00	$2,795
WITS Level 0 Suite	EX5-WITSS-NA00	$2,195
Wonderware InTouch Client Driver	EX5-WWINT-NA00	$995
Yaskawa Memobus Plus Suite	EX5-YKWMP-NA00	$995
Yokogawa Controller Serial	EX5-YKGRN-NA00	$995
Yokogawa Suite	EX5-YKWDE-NA00	$995
Yokogawa YS100	EX5-YKCTL-NA00	$995
Industry Suites for KEPServerEX		
Building Automation Suite	EX5-BLDAT-SUIT	$2,995
IT and Infrastructure Suite	EX5-ITINF-SUIT	$4,195
Manufacturing Suite	EX5-MNFNG-SUIT	$2,495
Oil and Gas Suite	EX5-OILGS-SUIT	$6,995
Power Suite	EX5-POWER-SUIT	$7,995
Plug-In Options for KEPServerEX		
Advanced Tags Plug-In	EX5-ADTGO-NA00	$1,995
DataLogger Plug-In	EX5-DLOGR-NA00	$1,095
EFM Suite with EFM Exporter	EX5-EFMEX-NA00	Call
Industrial Data Forwarder for Splunk Plug-In	EX5-SPLNK-NA01	Call
Local Historian Plug-In (1-500 tags)	EX5-LHIST-NA05	$995
Local Historian Plug-In (501-10,000 tags)	EX5-LHIST-NA10	$2,495
OPC Alarms & Events Plug-In	EX5-ALMEV-NA00	$695
OPC UA Tunneling Option	EX5-OPCCS-NA00	$995
Oracle Connectivity Suite	EX5-ORMOC-NA00	$2,795
Security Policies Plug-In	EX5-SECPO-NA00	$395
SNMP Agent Plug-In	EX5-AGENT-NA00	$995
OPC Client Toolkit		
ClientAce CA4-CLACE-NA00		$2,195
OPC Bridging		
LinkMaster LM3-LNKMS-NA00		$1,095
OPC Redundancy		
RedundancyMaster RM2-RDNMS-NA00		$1,495

* Limited Discount Applies

Discontinued

KEPS-KEP1-32	KEP RS232 for ST1, ST1LE, ST2 & LT2 DDE Server	see EX5-UCOND-NA00
KEPS-MBS32	Supports RS485 for ST1, ST1LE, ST2, LT2, MRT, DRT & MB2 (Modbus RTU)	see EX5-MDBUS-NA00

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

KAL-D06 Series Counter

Part Number	Price
KAL-D06 = 8 digit counter with 10 yr battery	$39.00
KAL-DQUAD06 = 8 digit counter with 10 yr battery with Quadrature Input	$58.00
KAL-D06AC/DC = 8 digit counter with 10 yr battery with High Voltage Input	$58.00
N7 - Explosion proof	add $355.00
N7R - Explosion proof with Reset*	add $475.00

Accessories

NEMA4 wall mount enclosures available see NEMA-32 & LCN4X
Outdoor enclosure available see E200 enclosure
32DINRAIL - DIN Rail Mounting Frame $45.00*
DR-4= 4" DIN Rail ..... $ 7.00

RoHS Compliant

KEPtrol (KP8) Counter/Timer/Ratemeter

EXAMPLE KP8 A 3A 2 A 2 Price

Series
KP8 ..... $639.00

Operating Voltage
A: 110 VAC ± 15% or 12 to 27 VDC
B: 220 VAC ± 15% or 12 to 27 VDC

Control Inputs
2A: Simultaneous, 3 to 30 VDC ..... add $31.00
10KHz max., Count and rate models only
3A: **Standard,** High impedance, Up/down control:
3 to 30 VDC, 100KHz max. Use for all models.
3B: As 3A, with 4.7KΩ pull up resistors.
3C: As 3A, with separate Up and Down inputs
3D: As 3C, with 4.7KΩ pull up resistors.
4A: Standard, Opto-isolated up/down control ..... add $31.00
5 to 12 VDC: 1500Hz max. Use for all models.
4B: As 4A, but to 12 to 24 VDC ..... add $31.00
9A: Quadrature, 3 to 30 VDC, 20KHz max ..... add $45.00
Count and rate models only.
1A: Quad (x2) 5-30 VDC ..... add $57.00
1B: Quad (x4) 5-30 VDC ..... add $57.00

Control Outputs
1: Open collector (NPN)
2: SPDT relay 10A

Input Speed
A: 0-40 Hz (relay or snap action switch), inputs 2,3, 4, 9
C: 0-400 Hz (reed switch), inputs 2, 3, 9
D: 0-1500 Hz (opto-solid state), input 4
E: 0-10 KHz (solid state), inputs 2, 3, 9
F: 0-20 KHz (quad-solid state), input 9
G: 0-100 KHz (hi-speed solid state) input 3

Options
1: RS232 serial interface ..... add $147.00
2: RS422 serial interface ..... add $147.00
UL/CSA: UL/CSA Approved Unit (pending) ..... (consult factory)

Accessories:
*FLEXCOVER #36120 ..... $ 50.00
NEMA 4X wall mount enclosure available, see MS811
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS

KEPtrol F/C (KFC) Ratemeter/Totalizer

Example KFC8 A 3A 2 E 1 3 Price

KEPtrol F/C $741.00

Operating Voltage:
A: 110 VAC ±15% or 12 to 27 VDC
B: 220 VAC ±15% or 12 to 27 VDC

Control Inputs:
† 3A: STD Pulse 3-30 VDC 20 kHz Max.
† 3B: As 3A, with 4.7 KΩ pull up resistors

Control Outputs:
1: Open Collector
2: SPDT Relay 10A

Input Speed:
† A: 0-40 CPS (Inputs 3A, 3B)
† C: 0-400 CPS (Inputs 3A, 3B)
† E: 0-10K CPS (Inputs 3A, 3B)
† Dip switch selectable, all units can be field modified easily.

Options: (Multiple Options Available)
1: RS232 Serial Interface ..... add $ 147.00
2: RS422 Serial Interface ..... add $ 147.00
3: 4-20 mA Output (Input 3A or 3B only) ..... add $ 135.00
3X: 0-20 mA Output (Input 3A or 3B only) ..... add $ 135.00
3Y: 0-5VDC Output (Input 3A or 3B only) ..... add $ 135.00
3Z: 0-10VDC Output (Input 3A or 3B only) ..... add $ 135.00
ET: Extended Temperature: ..... ConsultFactory
-40° to 158°F (-40° to 70° C)
ET not available with analog outputs
CSA: CSA Approved Unit (pending) ..... (consult factory)

Accessories:
*FLEXCOVER #36120 ..... $ 50.00
NEMA 4X wall mount enclosure available, see MS811
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS

KEPRUN-xxxx

See Infilink-HMI on Page 9.

KEPtrol R/T (KRT) Ratemeter/Totalizer

Example KRT8 A 3A 2 A 1 3 Price

Series:
KEPtrol R/T ..... $ 639.00

Operating Voltage:
A: 110 VAC ±15% or 12 to 27 VDC
B: 220 VAC ±15% or 12 to 27 VDC

Control Inputs:
† **3A**: STD Pulse 3-30 VDC 20 kHz Max.
† 3B: As 3A, with 4.7 KΩ pull up resistors
5A: 4-20 mA ..... add $ 92.00
5B: 0-20 mA ..... add $ 92.00
5C: 1-5 VDC ..... add $ 92.00
5D: 0-5 VDC ..... add $ 92.00
5E: 0-10 VDC ..... add $ 92.00
6A: 4-20 mA Square Law ..... add $ 200.00
7A: 4-20mA in, 4-20mA out ..... add $ 228.00
7B: 0-20mA in, 4-20mA out ..... add $ 228.00
7C: 1-5VDC in, 4-20mA out ..... add $ 228.00
7D: 0-5VDC in. 4-20mA out ..... add $ 228.00
7E: 0-10VDC in, 4-20mA out ..... add $ 228.00

For Other Outputs:
Add X for 0-20mA out
Add Y for 0-5V out
Add Z for 0-10V out

Control Outputs:
1: Open Collector
2: SPDT Relay 10A

Input Speed:
† A: 0-40 CPS (Inputs 3A, 3B)
† C: 0-400 CPS (Inputs 3A, 3B)
† **E**: 0-20K CPS (Inputs 3A, 3B)
K: Inputs 5A-5E, 6A, 7A-7E
† Dip switch selectable,
all units can be field modified easily.

Options: (Multiple Options Available)
1: RS232 Serial Interface ..... add $ 147.00
2: RS422 Serial Interface ..... add $ 147.00
3: 4-20 mA Output (Input 3A or 3B only) ..... add $ 135.00
3X: 0-20 mA Output (Input 3A or 3B only) ..... add $ 135.00
3Y: 0-5VDC Output (Input 3A or 3B only) ..... add $ 135.00
3Z: 0-10VDC Output (Input 3A or 3B only) ..... add $ 135.00
4: 16 Point Linearization Opt ..... add $ 66.00
ET: Extended Temperature: ..... Consult Factory
-40° to 158°F (-40° to 70° C)
ET not available with analog outputs
CSA: CSA Approved Unit (pending) ..... (consult factory)

Accessories:
*FLEXCOVER #36120 ..... $ 50.00
NEMA 4X wall mount enclosure available, see MS811
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285

LCN4X NEMA4X Housing

Part Number:	Price
LCN4X 1/8 DIN - for all 1/8th DIN products	$98.00
LCN4X 1/16 DIN - for all 1/16th DIN products	$98.00

Options:

H2 - 0.875” Hole for Hub fitting	add $12.00
HF2 - 0.5” Female NPT Hub fitting	add $27.00
2H2 - Two 0.875” Holes for Hub fittings	add $24.00
2HF2 - Two 0.5” Female NPT Hub fittings	add $54.00
H3 - Three 0.84” Holes for Hub fittings	add $36.00

Accessories:
RS232 Extender Cable: P/N=13220-<length in inches> $37

RoHS Compliant planned

LDB - Large Display Batcher

Example LDB ST1 L 1 A 0 ET Price

Series:
Large Display Batcher

Function
ST1= Supertrol-1 ..... $ 995.00
ST1LE= Supertrol-1LE ..... consult factory
ES747= ES747 ..... consult factory

Display Type:
L= LCD

Input Type:
1= 110 VAC
2= 220 VAC
3= 12 VDC (10 to 14 VDC)
4= 24 VDC (14 to 28 VDC)

Relays:
A= 2 SPDT Relays

Network Card:
0= None (STD)
2= RS485/Modbus (optional 2nd COM port) ..... add $ 218.00

Options:
ET= Extended Temperature LCD Display ..... add $ 27.00
-4°F to 131°F (-20°C to 55°C)
M = Modem Power Option ..... add $ 27.00

Accessories:
OPC/DDE Server for RS232 Port available, see EX5-UCOND-NA00
OPC/DDE Server for Modbus Suite available, see EX5-MDBUS-NA00Modem Available, see MPP-2400N (requires M option)
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS for RS232 port
RS-422/485 to RS-232 Communication Adaptor available, see CA285
Modbus RTU to Modbus TCP Converter available, see ADAM-4572
Remote metering and data collection software available, see TROLlink

* Limited Discount Applies

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

LEVELtrol II (LT2) Level Indicator

Example LT2 L 1 B 0 P Price

Series:
LT2 = LEVELtrol II ..... $ 799.00

Display Type:
L= LCD
O= OLED
V= VFD ..... add $110.00

Input Type:
1= 110 VAC
2= 220 VAC
3= 12 VDC (10 to 14 VDC)
4= 24 VDC (14 to 28 VDC)

Relays:
A= 2 SPDT Relays
B= 4 SPDT Relays ..... add $ 57.00

Network Card:
0= None (STD)
2= RS485/Modbus ..... add $218.00

Mounting:
P= Panel Mount
*N= NEMA 4 Wall Mount (see MS811) ..... add $200.00
*W= NEMA 12/13 Wall Mount w/ Clear Cover ..... add $227.00
*E= Explosion Proof (No Button Access) ..... see XHV 7/4

Options
ET= Extended Temperature ..... add $ 27.00
-4°F to 131°F (-20°C to 55°C)
IM = Internal Modem ..... add $ 217.00
IM-56K = 56K Internal Secure Modem ..... add $456.00
M = Modem Power Option ..... add $ 27.00

Accessories:
OPC/DDE Server for RS232 Port available, see EX5-UCOND-NA00
OPC/DDE Server for Modbus Suite available, see EX5-MDBUS-NA00
Modem Available, see MPP-56KN and MPP-2400N
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
Ethernet Port Server Modbus TCP available, see ADAM4572
RS-422/485 to RS-232 Communication Adaptor available, see CA285
RS232 Extender Cable: P/N=13220-<length in inches> $39

RoHS Compliant planned

MAGNETIC SWITCHES

Magnetic Switches:	Price
KRS9	$65.00
KRU9	$74.00
KWU9	$56.00
GMS9	$57.00
GMU9	$57.00
MRS10	$65.00
MRS12	$65.00
MRS20	$72.00
MRU12	$77.00
DRS	$85.00
DRU	$120.00
FLS - AL	$160.00
FLU - AL	$160.00
FLSM - AL	$160.00
FLUM-AL	$160.00

NOTE: All Switches come with 3ft. cable. Longer cables available at $4.00 per foot

MAGNETS

Actuating Magnets:	Price
MO	$5.25
M2	$7.50
M3	$10.50

NOTE: Magnets have countersink on both sides. One side is South, the other is North.

MASSBATCH (MB8) Batcher

Example: MB8 A 3A 2 H R 3 Price

Series:
MASSbatch ..... $ 892.00

Operating Voltage:
A: 110 VAC ±15% or 15 to 27 VDC
B: 220 VAC ±15% or 15 to 27 VDC

Count Inputs:
3A: (STD) Pulse 4-30 VDC 10 kHz Max. (jumper selectable)
3C: (Mag. Pickup) 30mV 2 Hz to 10 kHz (jumper selectable)

Control Outputs:
1: Open Collector
2: SPDT Relay 10A

Input Speed:
L: (Low Speed) 0-40 Hz
H: (High Speed) 0-10 kHz

Options: (Multiple Options Available)
R: RTD and 4-20mA input (jumper selectable) ..... Standard
1: RS232 Serial Interface ..... add $ 147.00
2: RS422 Serial Interface ..... add $ 147.00
3: 4-20 mA Output (jumper selectable) ..... add $ 135.00
3Y: 0-5VDC Output (jumper selectable) ..... add $ 135.00
3Z: 0-10VDC Output (jumper selectable) ..... add $ 135.00
4: 16 Point Linearization ..... add $ 65.00
ET: Extended Temperature: ..... (consult factory)
-40° to 158°F (-40° to 70° C)
CSA: CSA Approved Unit (pending) ..... (consult factory)

Accessories:
*FLEXCOVER #36120 ..... $ 50.00
NEMA 4X wall mount enclosure available, see MS811
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285

MASStrol (MFC) Flow Computer

Not Available!- See SUPERtrol II (ST2) for Replacement

Example: MFC A 1 BL Price

Series:
MFC

Operating Voltage:
A: 115 VAC ± 15% at 50/60Hz
B: 230 VAC ± 15% at 50/60Hz
C: 24 VDC ± 20%
D: 12 VDC -10, +20%

Options:
1: RS-232 Serial Interface

Display:
BL: Backlit Display (standard)

MESR901*

Part Number	Description	Price
MESR901	Industrial Modbus Ethernet to Serial Gateway	$453.00

* Limited Discount Applies

Mini-Count (MC) Counter

EXAMPLE: MC H A 3 1 PRICE

Series
MC = Minicount Counter .....$ 192.00

Input Speed
L = Low speed input debounce filter 40Hz max.
H = High speed input (0 to 9.99 KHz)

Operating Voltage
A = 110 VAC ± 15% or 12 to 15 VDC
B = 220 VAC ± 15% or 12 to 15 VDC
C = 24 VAC ± 15% or 12 to 15 VDC

Count Input
3 = Standard, 4-30 VDC simultaneous inputs.
3M = Mag. Input, Input A only, 30mV input .....add $ 61.00
(Input B, 4-30V)
3MB = Mag. Input, Inputs A & B, 30mV input.....add $ 61.00
5 = 4-30 V pulses on Input A, ...add $ 19.00
4-30 V Direction Control input on Input B.
5M = 30 mV pulses on Input A, ...add $ 80.00
4-30 V Direction Control input on Input B
9 = Quadrature, accepts 4-30 V pulses.....add $ 19.00
9MB = Quadrature, accepts 30 mV pulses (A & B)...add $ 80.00

Options
1= RS232 Communications .....add $ 132.00
2= RS422 Communications .....add $ 132.00

Accessories
Separate non keyboard panel order #34235.....$ 37.00
Separate keyboard panel - order #34242.....$ 55.00
NEMA4 wall mount enclosure available see LCN4X & MS821
Explosion proof enclosure available see XHV
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285

RoHS Compliant planned

MINIBATCHER (MB2) Batcher

Example: MB2 A 3 1 Price

Series:
MB2= MiniBatcher .....$ 377.00

Operating Voltage:
A= 110 VAC ± 15% or 12 to 15 VDC
B= 220 VAC ± 15% or 12 to 15 VDC
C= 24 VAC ± 15% or 12 to 15 VDC

Count Inputs:
3 = Standard, 4-30 VDC pulse inputs.
3M = Mag. Input, 30mV input .....add $ 61.00

Options
1= RS232 Communications .....add $ 132.00
2= RS422 Communications .....add $ 132.00
3= Modbus RTU RS232 .....add $ 163.00
4= Modbus RTU RS422/RS485 .....add $ 163.00
A= Analog Output (4-20/0-20 mA).....add $ 135.00

NOTE: RS232/RS422/RS485 & Analog Output options
can not be combined

Accessories
Separate keyboard panel - order #34569.....$ 55.00
NEMA4 wall mount enclosure available see LCN4X & MS821
Explosion proof enclosure available see XHV
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285
NOTE: CE suffix no longer needed, standard unit is CE compliant

RoHS Compliant planned

Mini-Rate (MR) Ratemeter

EX:: MR H A 3M M 1 Price

Series
MR = Minirate Ratemeter.....$ 198.00

Input Speed
L = Low speed input debounce filter 40Hz max.
H = High speed input (0 to 9.99 kHz)

Operating Voltage
A = 110 VAC ± 15% or 12 to 15 VDC
B = 220 VAC ± 15% or 12 to 15 VDC
C = 24 VAC ± 15% or 12 to 15 VDC

Count Input
3 = Standard, 4-30 VDC input.
3M = Mag. Input, Input A only, 30mV input .....add $ 61.00

Rate Time Base
S = RPS (rate per second)
M = RPM (rate per minute)
H = RPH (rate per hour)

Options
1= RS232 Communications .....add $ 132.00
2= RS422 Communications .....add $ 132.00

Accessories
Separate non keyboard panel order #34235.....$ 37.00
Separate keyboard panel - order #34242.....$ 55.00
NEMA4 wall mount enclosure available see LCN4X & MS821
Explosion proof enclosure available see XHV
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285

RoHS Compliant planned

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

MINItrol (MRT, MC2, MR2) Ratemeter/Totalizer

Example: MRT A 3 1 **Price**

Series:
- **MRT**=6 digits, counter / ratemeter with presets and scaling. ..... $ 287.00
- MC2= 6 digits, counter only with presets and scaling. ..... $ 246.00
- MR2= 5 digits, rate only with presets and scaling. ..... $ 263.00

Operating Voltage:
- **A**= 110 VAC ± 15% or 12 to 15 VDC
- B= 220 VAC ± 15% or 12 to 15 VDC
- C= 24 VAC ± 15% or 12 to 15 VDC

Count Inputs:
- **3** = Standard, 4-30 VDC simultaneous inputs.
- 3M = Mag. Input, Input A only, 30mV input (Input B, 4-30V) ..... add $ 61.00
- 3MB = Mag. Input, Inputs A & B, 30mV input ..... add $ 61.00
- 5 = 4-30 V pulses on Input A, 4-30 V Direction Control input on Input B. ..... add $ 19.00
- 5M = 30 mV pulses on Input A, 4-30 V Direction Control input on Input B ..... add $ 80.00
- 9 = Quadrature, accepts 4-30 V pulses ..... add $ 19.00
- 9MB = Quadrature, accepts 30 mV pulses (A & B) ..... add $ 80.00

Options
- 1= RS232 Communications ..... add $ 132.00
- 2= RS422 Communications ..... add $ 132.00
- 3= Modbus RTU RS232 ..... add $ 163.00
- 4= Modbus RTU RS422/RS485 ..... add $ 163.00
- A= Analog Output (4-20/0-20 mA) ..... add $ 135.00

NOTE: RS232/RS422/RS485 & Analog Output options can not be combined

Accessories
- Separate non keyboard panel order #34235 ..... $ 37.00
- Separate keyboard panel - order #34242 ..... $ 55.00
- NEMA4 wall mount enclosure available, see LCN4X & MS821
- Explosion proof enclosure available, see XHV
- Serial printer available, see P1000, P295
- Ethernet Port Server available, see IEPS
- RS-422/485 to RS-232 Communication Adaptor available, see CA285

RoHS Compliant planned

MINItrol-PW (MRTPW)

Example: MRTPW A 3 1 **Price**

Series:
- **MRTPW**= 6 digits, counter / ratemeter with presets and scaling. ..... $ 334.00

Operating Voltage:
- **A**= 110 VAC ± 15% or 12 to 15 VDC
- B= 220 VAC ± 15% or 12 to 15 VDC
- C= 24 VAC ± 15% or 12 to 15 VDC

Count Inputs:
- **3** = Standard, 4-30 VDC simultaneous inputs.
- 3M = Mag. Input, rate/total input only, 30mV input (Inhibit input, 4-30V) ..... add $ 61.00

Options
- 1= RS232 Communications add $ 128.00
- 2= RS422 Communications add $ 128.00
- A= Analog Output (4-20/0-20 mA) ..... add $ 135.00

NOTE: RS232/RS422 & Analog Output options can not be combined

Accessories
- Separate non keyboard panel order #34235 ..... $ 37.00
- Separate keyboard panel - order #34242 ..... $ 55.00
- NEMA4 wall mount enclosure available, see LCN4X & MS821
- Explosion proof enclosure available, see XHV
- Serial printer available, see P1000, P295
- Ethernet Port Server available, see IEPS
- RS-422/485 to RS-232 Communication Adaptor available, see CA285

NOTE: CE suffix no longer needed, standard unit is CE compliant

RoHS Compliant planned

MINItrol-S (MRTS)

Example: MRTS A 3 1 **Price**

Series:
- **MRTS**= 6 digits, counter / ratemeter with presets and scaling. ..... $ 287.00

Operating Voltage:
- **A**= 110 VAC ± 15% or 12 to 15 VDC
- B= 220 VAC ± 15% or 12 to 15 VDC
- C= 24 VAC ± 15% or 12 to 15 VDC

Count Inputs:
- **3** = Standard, 4-30 VDC pulse inputs.
- 3M = Mag. Input, 30mV input ..... add $ 61.00

Options
- 1= RS232 Communications ..... add $ 132.00
- 2= RS422 Communications ..... add $ 132.00
- 3= Modbus RTU RS232 ..... add $ 163.00
- 4= Modbus RTU RS422/RS485 ..... add $ 163.00
- A= Analog Output (4-20/0-20 mA) ..... add $ 135.00

NOTE: RS232/RS422/RS485 & Analog Output options can not be combined

Accessories
- Separate non keyboard panel order #34235 ..... $ 37.00
- Separate keyboard panel - order #34242 ..... $ 55.00
- NEMA4 wall mount enclosure available see LCN4X & MS821
- Explosion proof enclosure available see XHV
- Serial printer available, see P1000, P295
- Ethernet Port Server available, see IEPS
- RS-422/485 to RS-232 Communication Adaptor available, see CA285

NOTE: CE suffix no longer needed, standard unit is CE compliant

RoHS Compliant planned

ML30.100* 24V Power Supply

Part Number	Description	Price
ML30.100	24V Power Supply	$120.00

MMI-10 Message Center

EXAMPLE:	MMI10	V	Price
Series			$ 203.00
Display Type			
L= LCD			
V=VFD			add $ 110.00

For PLC Type
MMI to controller communication requires a SMIC cable. Use Smart cable (SMIC) part number as indicated in MMI-1XX & MMI-2XX SMIC cable list.
MMI setup software is included with each unit.

MMI-40 Message Center

EXAMPLE:	MMI40	L	Price
Series			$ 286.00
Display Type			
L= LCD			

For PLC Type
MMI to controller communication requires a SMIC cable. Use Smart cable (SMIC) part number as indicated in MMI-1XX & MMI-2XX SMIC cable list.
MMI setup software is included with each unit.

MMI-100 Message Center

EXAMPLE:	MMI100	V	Price
Series			$ 260.00
Display Type			
L= LCD			
V=VFD			add $ 110.00

For PLC Type
MMI to controller communication requires a SMIC cable. Use Smart cable (SMIC) part number as indicated in MMI-1XX & MMI-2XX SMIC cable list.
MMI setup software is included with each unit.

MMI-110 Message Center

EXAMPLE:	MMI110	V	Price
Series			$ 307.00
Display Type			
L= LCD			
V=VFD			add $ 110.00

For PLC Type
MMI to controller communication requires a SMIC cable. Use Smart cable (SMIC) part number as indicated in MMI-1XX & MMI-2XX SMIC cable list.
MMI setup software is included with each unit.

MMI-140 Message Center

EXAMPLE:	MMI140	L	Price
Series			$ 411.00
Display Type			
L= LCD			

For PLC Type
MMI to controller communication requires a SMIC cable. Use Smart cable (SMIC) part number as indicated in MMI-1XX & MMI-2XX SMIC cable list.
MMI setup software is included with each unit.

* Limited Discount Applies

MMI-1XX & MMI-2XX SMIC Cables

EXAMPLE:	SMIC	GE90-	05	Price
Series				$ 70.00
PLC Type				

AB500	AB SLC500 types with RJ45, DH485 port
ABDF1	AB SLC500 5/03, 5/04 with DB9, DF1 port
ABMICRO	AB MicroLogix with MiniDIN8 port
ARO	All Aromat FP1 Series
FUJI	Fuji Flex SeriesNB, NJ and NS
GE90	All GE 90 Series SNP Port
IDECM1	Idec M1 and FA2J
IDECM3	Idec Micro3 Series
IDECM3C	Idec Micro3C Series (RS-232C Loader Port)
K205	Koyo DL05,105 & 205 Series and 350 (RJ11 port)
K305	Koyo 340, Siemens Simatic 335, 337
K405	Koyo 440, Siemens Simatic 425, 435
KEY	Keyence KV 10,16,24,40 & 80, KV300
MOD	All Modbus and J-Bus compatible PLC's with DB9 port
MODMICRO	All Modbus and J-Bus compatible PLC's with RJ45 port
MITFX	Mitsubishi FX Series, DB25 port
MITFX0	Mitsubishi FXo and FX2n, MiniDIN8 port
OMCK25	Omron C Series, (Host link modules)
OMCH9	Omron CH Series
OMCQM	Omron CQM1 Series
SIS5	Siemens S5 Series, 95, 100, 102, 103, 115
SIS7	Siemens S7-200 Series
SI135	Siemens S5 Series, 135 only
TSB485	Toshiba EX & M Series RS422 Link Port
TSBT1	Toshiba T1 only
TSBT2	Toshiba T2 and T3
TSBTLINK	Toshiba T2 and T3 Link Port
TSX07	Telemecanique TSX 07 (nano), TSX37
TSX17	Telemecanique TSX 17
TSX47	Telemecanique TSX 47-40, TSX 47-20

Cable Length
05 = 5 feet

Accessories:

ZA9M9F -	Five feet of cable with DB9 male connector and DB9 female connector. (PC end, normally used for "AT" COM1)	$60.00
ZA9M25F -	Five feet of cable with DB9 male connector and DB25 female connector. (PC end, normally used for "XT" or "AT" COM2)	$60.00
MMISOFT* -	Setup software for MMI, IMC & IMC2 series.	$25.00

* Limited Discount Applies

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

MMI-430, MMI-730, MMI-850, MMI-1500 Series

Part Number **Price**

THIS PRODUCT LINE HAS BEEN DISCONTINUED
See Recommended Replacements Below

MMI430T: 4.3" display	See MMI6050 for Replacement
MMI-730T: 5.7" display	See MMI6056 for Replacement
MMI-730T-E: 5.7" display	See MMI8056 for Replacement
MMI-850T: 8.0"	See MT8070iE Plus Adapter Plate RFZ060700 for Replacement
MMI-850T-NE:	See MMI6070H Plus Adapter Plate RFZ060700 for Replacement
MMI-1500: 10.4" display	See MMI6100 Plus Adapter Plate RFZ061000 for Replacement
MMI-1500T: 10.4" display	See MMI8100 Plus Adapter Plate RFZ061000 for Replacement

MMI Touchscreen SMIC Cables

Part Number **PLC Type** **$70.00 each**

THIS PRODUCT LINE IS SOLD AS REPLACEMENT CABLES FOR DISCONTINUED PRODUCTS ONLY

SMIC15AB500-05	AB SLC500 types with RJ45, DH485 port
SMICABDF1-05	AB SLC500 5/03, 5/04 with DB9, DF1 port
SMICABMICRO-05	AB MicroLogix with MiniDIN8 port
SMIC15GE90-05	All GE90 Series SNP-X port
SMIC15IDECM3-05	Idec Micro3 Series
SMICIDECM3C-05	Idec Micro3C Series (RS-232C Loader Port)
SMICK205-05	Koyo DL05,105 & 205 Series and 350 (RJ11 port)
SMICK405-05	Koyo 440, Siemens Simatic 425, 435
SMICMOD-05	All Modbus and J-Bus compatible PLC's with DB9 port
SMICMODMICRO-05	All Modbus and J-Bus compatible PLC's with RJ45 port
500_AnS-05	Mitsubishi A Series
SMIC15MITFX-05	Mitsubishi FX Series, DB25 port
SMIC15MITFXMICRO-05	Mitsubishi FXo and FX2n, MiniDIN8 port
SMICOMCQM-05	Omron CQM1 Series
SMIC15SIS7-05	Siemens S7-200 Series
SMICTSBT1-05	Toshiba T1 only
SMIC15TSX07-05	Telemecanique TSX 07 (nano), TSX37

MPP-2400N Modem

EXAMPLE **MPP2400N** **Price**

Series..... ..... $359.00

*MPP-2400N Wall Mount, External Modem

Accessories

6ST2 - Interconnecting Cable $55.00

MPP-56KN Secure Modem

EXAMPLE **MPP56KN** **Price**

Series..... ..... $559.00

*MPP-56KN Wall Mount, Port Powered Secure Modem

MMI8104H

Part Number **Price**

MMI8104H: 10.4" TFT color display with Ethernet port $1099.00

Option X

The "X" option offers a faster processor, more memory and a brighter display

MMI8104XH: OBSOLETE ..... see eMT3105P for replacement

Above pricing includes EB8000 setup software and a 3 foot Ethernet Crossover cable for programming.

Cable Accessories:

MT8-COM1: $50.00
RS232 1 and 2 for eMT8000 series and MMI8104H.

MT8-COM3: $50.00
RS485 and 232 breakout for eMT8000 series and MMI8104H.

MMI-TS-PDK: $60.00
Easybuilder CD, Printed Manual and MT5_PC Programming cable for MMI touchscreens.

MMI8000 & MMI8000X Series HMI
MMI6000 & MMI6000X Series HMI
DISCONTINUED

Discontinued Part Numbers

MMI8056, MMI8080, MMI8100, MMI8104, MMI8104X, MMI8121, MMI8121X, MMI8150X

MMI6050, MMI6056, MMI6070H, MMI8050, MT8050iE, MMI8070H

See eMT3000 & MT8000 series for replacements

For eMT3000 series pricing see page 7

* Limited Discount Applies

MS799NEMAtrol* Enclosures

Part Number	Price
MS799NEMAST4X0QR (no cutout)	$227.00
MS799NEMAST4X1QR (1 cutout)	$248.00
MS799NEMAST4X2QR (2 cutouts)	$268.00
MS799NEMAST4X3QR (3 cutouts)	$289.00

NOTE: QR in part number depicts Quick Release Latches (std)

Options:

A - Assembled at KEP
SP - Sub-Panel ..... add $ 36.00
DR1 - Single DIN Rail Installed for accessory mounting ..... add $ 13.00
DO - Duplex Outlet ..... add $ 47.00
SW - Power Disconnect Switch ..... add $ 88.00
TB - Terminal Block in Auxiliary Enclosure ..... add $ 16.00
PW - Internal Pre-wired by KEP ..... consult factory

Description of all pre-wiring work and a wiring sketch required when requesting quotes and when ordering.

Consult factory for custom conduit hole, fitting and factory wiring options.

MS811-NEMAtrol*

Part Number		Price
MS811-NEMAtrol4X	(NEMA 4X enclosure for all standard 'trol units 7.365" x 2.495" cutout)	
MS811NEMAtrol 4x0 (no cutout)		$170.00
MS811NEMAtrol 4x1 (1 cutout)		$201.00
MS811NEMAtrol 4x2 (2 cutouts)		$222.00
MS811-NEMAST4X	(NEMA 4X enclosure for SUPERtrol & LEVELtrol II series)	
MS811NEMAST 4x1 (1- 5.43" x 2.68" cutout for SUPERtrol series)		$201.00
MS811NEMAST 4x2 (2- 5.43" x 2.68" cutout for SUPERtrol series)		$222.00

Hinge Location
HL - Hinge Left, hinge located to left of mounted unit(s)
HT - Hinge Top, hinge located at top of mounted unit(s)

Options:

A = Assembled by KEP, Product will be mounted in enclosure before shipment.
**SP - Sub-Panel ..... add $ 37.00
**DR1 - Single DIN Rail Installed for accessory mounting ..... add $ 13.00
SW - Power Disconnect Switch ..... add $ 88.00
TB - Terminal Block in Auxiliary Enclosure ..... add $ 16.00
PW - Internal Pre-wired by KEP ..... consult factory

Description of all pre-wiring work and a wiring sketch required when requesting quotes and when ordering.

*** SP and DR options in the 4X2 are not recommended to users since there is typically inadequate space provided for mounting the accessories in the enclosure. Consider the MS799 when two units are used.*

Consult factory for custom conduit hole, fitting and factory wiring options.

Accessories:
RS232 Extender Cable: P/N=13220-<length in inches> $39.00

MS816NEMAST4X* Enclosures

Part Number	Price
MS816NEMAST4X0 (no cutout)	$268.00
MS816NEMAST4X1 (1 cutout)	$289.00
MS816NEMAST4X2 (2 cutouts)	$309.00
MS816NEMAST4X3 (3 cutouts)	$330.00
MS816NEMAST4X4 (4 cutouts)	$351.00

Options:

A - Assembled at KEP
SP - Sub-Panel ..... add $ 37.00
DR - Single DIN Rail Installed for accessory mounting ..... add $ 16.00
PW - Internal Pre-wired by KEP to DIN Rail Terminal Block ..... consult factory

Description of all pre-wiring work and a wiring sketch required when requesting quotes and when ordering.

MS817*- Preamp & Signal Conditioner

Example MS817 1 B ET Price

Series

Output Type
1 = Open Collector & Isolated Pulse (STD)

Mounting:
B= Nema 4X $196.00
C= Explosion Proof $367.00
D= DIN Rail $129.00

Options:
ET= Extended Temp: -4° to 185°F (-20° to 85° C) ..... add $ 29.00
T = Third Conduit Entry in Ex-Proof Housing ..... add $ 27.00
H2 = 0.875" Hole for mounting style B ..... add $ 12.00
HF2 = 0.5" Female NPT Hub fitting ..... add $ 27.00
H3 = 1.125" Hole for mounting style B ..... add $ 12.00
HF3 = 0.75" Female NPT Hub fitting ..... add $ 27.00

Accessories: (add to end of part number)
DR-4= 4" DIN Rail ..... $ 7.00

MS821NEMA1/8DIN* Enclosures

Part Number	Price
MS821NEMA1/8DIN4X0 (no cutout)	$134.00
MS821NEMA1/8DIN4X1 (1 cutout)	$160.00
MS821NEMA1/8DIN4X2 (2 cutouts; HL only)	$186.00

Hinge Location
HL - Hinge Left, hinge located to left of mounted unit(s)
HT - Hinge Top, hinge located at top of mounted unit(s)

Options:

A - Assembled at KEP
SP - Sub-Panel ..... add $ 37.00
DR - Single DIN Rail Installed for accessory mounting ..... add $ 16`.00
PW - Internal Pre-wired by KEP to DIN Rail Terminal Block ..... consult factory

Description of all pre-wiring work and a wiring sketch required when requesting quotes and when ordering.

* Limited Discount Applies

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

MS827*

Example: MS827 SC IP 1 ST HL — **Price**

Series: ..... $ 243.00
MS827 = NEMA4x/IP65 Enclosure

Cover Style:
SC = Solid Cover (opaque)
WC = Window Cover (see through) ..... add $ 103.00

Instrument Panel:
(blank) = None
IP = Instrument Panel..... add $ 67.00

Number of cutouts:
= Specify number of cutouts for instrument panel
(consult factory)..... price per cutout add $ 31.00

Cutout Type:
ST = Cutout for ST Series (ST1, ST1LE, ST2, LT2, etc.)
1/8DIN = Cutout for 1/8 DIN Series (MRT, INT69, etc.)

Hinge Location:
HL - Hinge Left, hinge located on left
HT - Hinge Top, hinge located on top

Options:
A = Assembled by KEP, Product will be mounted in enclosure before shipment.
SP - Sub-Panel ..... add $ 37.00
DR1 - Single DIN Rail Installed for accessory mounting ..... add $ 13.00
SW - Power Disconnect Switch ..... add $ 88.00
TB - Terminal Block in Auxiliary Enclosure..... add $ 16.00
PW - Internal Pre-wired by KEP..... consult factory

Description of all pre-wiring work and a wiring sketch required when requesting quotes and when ordering.

MS828*

Example: MS828 SC IP 1 1/8DIN HL — **Price**

Series: ..... $ 163.00
MS828 = NEMA4x/IP65 Enclosure

Cover Style:
SC = Solid Cover (opaque)
WC = Window Cover (see through) ..... add $ 67.00

Instrument Panel:
(blank) = None
IP = Instrument Panel..... add $ 67.00

Number of cutouts:
= Specify number of cutouts for instrument panel
(consult factory)..... price per cutout add $ 31.00

Cutout Type:
1/8DIN = Cutout for 1/8 DIN Series (MRT, INT69, etc.)

Hinge Location:
HL - Hinge Left, hinge located on left
HT - Hinge Top, hinge located on top

Options:
A = Assembled by KEP, Product will be mounted in enclosure before shipment.
SP - Sub-Panel ..... add $ 37.00
DR1 - Single DIN Rail Installed for accessory mounting ..... add $ 13.00
SW - Power Disconnect Switch ..... add $ 88.00
TB - Terminal Block in Auxiliary Enclosure..... add $ 16.00
PW - Internal Pre-wired by KEP..... consult factory

Description of all pre-wiring work and a wiring sketch required when requesting quotes and when ordering.

MT8000iE Series HMI Touchscreen Displays

Part Number	Price
MT8050iE: 4.3" TFT color display	$299.00
MT6070iE: 7" TFT color display	$460.00
MT8070iE: 7" TFT color display with Ethernet, CE, UL and Class 1 Div 2 rated	$570.00
MT8071iE: 7" TFT color display with Ethernet, CE rated	$460.00
MT8100iE: 10" TFT color display	$850.00

Accessories:

MT1_PLC: $50.00
RS232 Breakout for MT8050iE only.

RFZ060700: $55.00
Adapter plate used for retrofitting an MT8070iE into an MMI850x panel cutout.

RFZ100200: $75.00
Adapter plate used for retrofitting an MT8100iE into an MMI1500x panel cutout.

MT8000XE Series HMI Touchscreen Displays

Part Number	Price
MT8090XE: 9.7" TFT color display	$610.00
MT8091XE: 9.7" TFT color display with CAN Bus	$660.00
MT8121XE: 12.1" TFT color display	$1250.00
MT8150XE: 15" TFT color display	$1500.00

Cable Accessories:

FLZ485000: $50.00
Multi-connector cable COM2 [485] (Labeled COM1 [RS485]) / COM3 [485] / CAN Bus

mTV-100 HMI TV Interface

Part Number	Price
mTV-100: Machine to TV Interface	$450.00

* Limited Discount Applies

NAMUR R/T - Ratemeter/Totalizer

Example: NRT A 3 1 **Price**

Series:

NRT= 6 digits, counter / ratemeter with presets and scaling. ..... $ 287.00

NC2= 6 digits, counter only with presets and scaling. ..... $ 246.00

NR2= 5 digits, rate only with presets and scaling. ..... $ 263.00

Operating Voltage:

A= 110 VAC ± 15% or 12 to 15 VDC

B= 220 VAC ± 15% or 12 to 15 VDC

C= 24 VAC ± 15% or 12 to 15 VDC

Count Inputs:

3N = NAMUR Input on Input A, 4-30V on Input B

3NB = NAMUR Input on Input A and on Input B

3MB = Mag. Input, Inputs A & B, 30mV input

5N = NAMUR Input on Input A, 4-30 V Direction Control input on Input B. ..... add $ 19.00

5NB = NAMUR Input on Input A and Input B Direction Control input on Input B ..... add $ 19.00

9N = Quadrature, accepts NAMUR inputs on Inputs A & B with 90° phase shift for direction detection ..... add $ 19.00

Options

1= RS232 Communications ..... add $ 132.00

2= RS422 Communications ..... add $ 132.00

3= Modbus RTU RS232 ..... add $ 163.00

4= Modbus RTU RS422/RS485 ..... add $ 163.00

A= Analog Output (4-20/0-20 mA) ..... add $ 135.00

NOTE: RS232/RS422/RS485 & Analog Output options can not be combined

Accessories

Separate non keyboard panel order #34235 ..... $ 37.00

Separate keyboard panel - order #34242 ..... $ 55.00

NEMA4 wall mount enclosure available, see LCN4X & MS821

Explosion proof enclosure available, see XHV

Serial printer available, see P1000, P295

Ethernet Port Server available, see IEPS

RS-422/485 to RS-232 Communication Adaptor available, see CA285

RoHS Compliant planned

NAMUR DRT - Dual Ratemeter/Totalizer

Example: NDRT A 3NB A **Price**

Series:

NDRT= 6 digits counter, 5 digit ratemeter with presets and scaling. ..... $ 380.00

Operating Voltage:

A= 110 VAC ± 15% or 12 to 15 VDC

B= 220 VAC ± 15% or 12 to 15 VDC

C= 24 VAC ± 15% or 12 to 15 VDC

Count Inputs:

3NB = NAMUR Input on Inputs A & B

Options

1= RS232 Communications ..... add $ 132.00

2= RS422 Communications ..... add $ 132.00

3= Modbus RTU RS232 ..... add $ 163.00

4= Modbus RTU RS422/RS485 ..... add $ 163.00

A= Analog Output (4-20/0-20 mA) ..... add $ 135.00

NOTE: RS232/RS422/RS485 & Analog Output options can not be combined

Accessories

Separate non keyboard panel order #34235 ..... $ 37.00

Separate keyboard panel - order #34242 ..... $ 55.00

NEMA4 wall mount enclosure available, see LCN4X & MS821

Explosion proof enclosure available, see XHV

Serial printer available, see P1000, P295

Ethernet Port Server available, see IEPS

RS-422/485 to RS-232 Communication Adaptor available, see CA285

RoHS Compliant planned

* Limited Discount Applies

NEMA-32* NEMA4X Housing

Part Number: Price

NEMA32 - for all 1/32nd DIN products $75.00

Options:

H2 - 0.875" Hole for Hub fitting ..... add $12.00

HF2 - 0.5" Female NPT Hub fitting ..... add $27.00

2H2 - Two 0.875" Holes for Hub fittings ..... add $24.00

2HF2 - Two 0.5" Female NPT Hub fittings ..... add $54.00

H3 - Three 0.84" Holes for Hub fittings ..... add $36.00

NEMAtrol* & NEMA-1/8 DIN* Enclosures

NEMAtrol & NEMAST
Not Available!
See MS811 for Replacement

NEMA-1/8DIN
Not Available!
See MS821 for Replacement

OMNI Counter

EXAMPLE: OMNI 6 P 2 H(12) R4 S 5 B 2 B 40CPS PRICE

Series $550.00

Number of Digits
2, 4 or 6

Mounting
P = Panel mounting

Preset Switch Type

4 = Push-button ..... add $9.00/digit

Count Input (specify voltage)
CC = Dry switch closure
H = ( ) Voltage pulses 3-30 VDC logic levels
V = ( ) 12-260 VAC or VDC

Outputs

Relays - SPDT 10 Amp; at 30 VDC or 250 VAC
R1 = Latch til reset
R2 = Momentary, No Auto-reset. Adjustable on time
R3 = Alternate action
R4 = Auto-reset, adjustable on time

Solid State - up to 2 Amps at 120 VAC ..... add $44.00
S1 = Latch til reset
S2 = Momentary, No Auto-reset. Adjustable on time
S3 = Alternate action
S4 = Auto-reset, adjustable on time

Open Collector - up to 28 VDC at 300 mA max.
T1 = Latch til reset
T2 = Momentary, No Auto-reset. Adjustable on time
T3 = Alternate action
T4 = Auto-reset, adjustable on time

Output Pulse Duration -
S = Standard -100m sec - 2 sec
X = Short Pulse - 5msec -100msec

Power Supply
1 = 12 VDC
2 = 24 VDC
5 = 110VAC, 50/60Hz
6 = 220 VAC, 50/60 Hz

Termination
E = PC board edge connector (connector supplied)
B = Screw terminal block ..... add $27.00

Reset
1 = Panel ..... add $18.00
2 = Remote (standard on all)
3 = Both ..... add $18.00

Optlons
B = Battery Standby ..... add $10.00
C = Conformal Coating (high humidity) ..... add $25.00

Count Speed
Specify - Example: 40 cps

OMNI Timer

EX: OMNI 4 P 4 CT(5) R4 S 5 B 2 B Secx1/100

Not Available!
See 924K for Replacement

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

KEP Kessler-Ellis Products • 800-631-2165
Email orders to orders@kep.com

P1000* Printer

EXAMPLE **P1000** **1** **Price**

Series
- **P1000** Printer $407.00

Operating Voltage
- **1** = 110V AC adaptor
- 2 = 230V AC adaptor ..... add $ 7.00
- 3 = 12VDC Power Cord ..... add $ 55.00

Accessories
- P1AR = Ink Ribbon ..... $ 26.00
- P1AA230 = 230V Adapter ..... $ 26.00
- P1AA110 = 110VAdapter ..... $ 21.00
- P1AC25M9MC = 6', Printer cable for ST1 & ST2 ..... $ 80.00
- P1CA25MFLL6 = 6' Serial Cable for MS716 or any Flow Computer with RS232 terminal block ..... $ 80.00
- P1AC25M9FC = 6', Printer cable for MRT & INT69 ..... $ 80.00
- P1AC25M25MS = 6', Printer cable for all 'trols ..... $ 80.00

P295* Printer

EXAMPLE **P295**

Series
- P295 Slip Printer $687.00

Accessories
- PA295 = Universal Power Supply Adaptor $70.00
- P2CA25M9ML6 ..... $82.00
  6' Serial Cable for SUPERtrol I, SUPERtrol ILE, LEVELtrol II, SUPERtrol II
- P2CA25MFLL6 ..... $82.00
  6' Serial Cable for MS716 or any Flow Computer with RS232 terminal block

PD Series Photo Sensors*

EXAMPLE: PD **R** **25** **Price**

Series
- Photo Detector

Style

S = Source	**25**	$170.00
D = Detector	25	$170.00
P = Prox (Sensi Prox)	02	$170.00
PS = Prox (Short Range)	08	$145.00
R = Reflex (Visible)	25	$145.00
RP= Reflex (Polarized)	15	$150.00
F = Fiber Optic	00	$160.00

Maximum Range
- 0X = (in inches)
- XX = (in feet)

ACCESSORIES:

EXAMPLE: PDA **T3.0** **Price**

Series
- Photo Detector Accessories

Type
- F1 = Fiber Bifurcated Reflex $53.00
  78" long - cut to desired length
- F2 = Fiber Thru-beam (set of 2) $78.00
  78" long - cut to desired length
- T3.0 = Target - round reflector 3" dia. $13.00
  (2 per package)
- T.5 = Target - round reflector 0.5" dia. $12.00
  (2 per package)
- TX X = Target Tape - 2" (specify length _ _) $6.00/inch
- BS = Bracket - swival $13.00
- BA = Bracket - 90° angle $10.00
  (2 per package)

PM2 Position Monitor

EXAMPLE: PM2 **A** **3** **PRICE**

Series
- **PM2** Position Monitor $345.00

Operating Voltage
- **A**= 110 VAC ± 15% or 12 to 15 VDC
- B= 220 VAC ± 15% or 12 to 15 VDC
- C= 24 VAC ± 15% or 12 to 15 VDC

Inputs
- **3** = Separate Up / Down Inputs
- 5 = One Count Input, One Up / Down Control ..... add $18.00
- 9 = Quadrature ..... add $18.00

Accessories
- Separate non keyboard panel order #34235 ..... $ 37.00
- Separate keyboard panel - order #34242 ..... $55.00
- NEMA4 wall mount enclosure available see LCN4X & MS821
- Explosion proof enclosure available see XHV

RoHS Compliant planned

Protrol (PR) Dual Rateмeter

EXAMPLE: **PR** **A** **1** **PRICE**

Series
- **PR** = Protrol ..... $ 356.00

Operating Voltage
- **A** = 110 VAC ± 15% or 12 to 15 VDC
- B = 220 VAC ± 15% or 12 to 15 VDC
- C = 24 VAC ± 15% or 12 to 15 VDC

Options
- 1= RS232 Communications ..... add $ 132.00
- 2= RS422 Communications ..... add $ 132.00
- A= Analog Output (4-20/0-20 mA) ..... add $ 135.00
- M =Mag. Input, Input A & B, 30mV input ..... add $ 61.00

NOTE: RS232/RS422 & Analog Output options can not be combined

Accessories
- Separate non keyboard panel order #34235 ..... $ 37.00
- Separate keyboard panel - order #34242 ..... $ 55.00
- NEMA4 wall mount enclosure available see LCN4X & MS821
- Explosion proof enclosure available see XHV
- Serial printer available, see P1000, P295
- Ethernet Port Server available, see IEPS
- RS-422/485 to RS-232 Communication Adaptor available, see CA285

RoHS Compliant planned

RFZ###### HMI Accessories

RFZ060700: $55.00
Adapter plate used for retrofitting an MT8070iE into an MMI850x panel cutout.

RFZ100200: $75.00
Adapter plate used for retrofitting an MT8100iE into an MMI1500x panel cutout.

RFZ300400 ..... $10.00/pkg
package of 6, 2 prong mounting clips

RP0081210 HMI Accessory

RP0081210: $25.00/pkg
A clear protective overlay plastic sheet designed for the eMT3120A and the MT8121XE products. Each package contains 10 overlays

RSW Rotary BCD Switch

EXAMPLE: RSW 06 1 Price

Series
- Rotary Switch $78.00/digit

Number of Digits
- 1-6

Polarity
- 0 = Sinking 1 = Sourcing 2 = (non-polar)

* Limited Discount Applies

RTP Ratemeter/Totalizer

Example: RTP A 3 1 Price

Series:
- **RTP=** Pulse Input Ratemeter $470.00
  Totalizer

Operating Voltage:
- **A=** 110 VAC ± 15%
- **B=** 220 VAC ± 15%
- C= 24 VDC ..... add $21.00

Input:
- **3=** Standard, 4-30 VDC simultaneous inputs

Options:
- **1=** RS-232, 3 Control Inputs ..... add $126.00
- **2=** RS-485, 2 Control Inputs ..... add $129.00
- **A=** 4-20 mA Out ..... add $78.00

Accessories:
- NEMA4 wall mount enclosure available see LCN4X & MS821
- Explosion proof enclosure available see XHV
- Serial printer available, see P1000, P295
- Ethernet Port Server available, see IEPS
- RS-422/485 to RS-232 Communication Adaptor available, see CA285

S12 Display

EXAMPLE: S12 6 X 1 Price

Series
- **S12** = 12 to 24 VDC

Number of Digits
- **6** = 6 Digits $200.00
- 4 = 4 Digits $175.00

Terminations
- **X** = Terminal/ribbon adapter X

Input Type
- **1** = Sourcing (user drives inputs positive, to +DC)
- 4 = Sinking (user pulls inputs negative, to -DC)

Accessories

S12 RIBBON FOR ADAPTER "X"
Ribbon is continuous with connectors attached each 12 inches.
Part Number: S12RX__ Specify number of units to be linked together.
Example: #S12RX4 is cable to connect four S12 units spaced 12 inches apart.
Price: (per connector) $17.00

S12 ADAPTER "X" FOR RIBBON CABLE
(Supplied as termination "X" when ordered on S12 display)
May be used at PLC to convert ribbon cable to screw terminal.
May be ordered separately as: S12AX $40.00

* SPECIAL LENGTH ORDER FORMAT
S12RX - Specify ribbon lengths between connectors in 6 inch increments using alphabet letters to indicate number of 6" intervals. Eg. A=6", B=12". C=18", etc. List the interval between the top display and next highest first, then list lower ones in order. S12RXACCB is a ribbon to connect 5 displays with 6" between 1st (top) and 2nd, 18" between 2nd and 3rd, 18" between 3rd and 4th, 12" between 4th and 5th (bottom).
Price:
(per connector) $17.00
(per foot) $1.00

SC-FF Signal Conditioner

Example SC-FF 1 B ET Price

Series
- **FF=** Frequency to Frequency

Output Type
- **1** = Open Collector & Isolated Pulse (STD)
- 2 = Open Collector & Relay Output ..... add $ 13.00

Mounting:
- * **B=** Nema 4X ..... $ 289.00
- * C= Explosion Proof ..... $ 456.00
- D= DIN Rail ..... $ 218.00

Options:
- ET= Extended Temp: -4° to 185°F (-20° to 85° C) ..... add $ 29.00
- T = Third Conduit Entry in Ex-Proof Housing ..... add $ 27.00
- H2 = 0.875" Hole for mounting style B ..... add $ 12.00
- HF2 = 0.5" Female NPT Hub fitting ..... add $ 27.00
- H3 = 1.125" Hole for mounting style B ..... add $ 12.00
- HF3 = 0.75" Female NPT Hub fitting ..... add $ 27.00

Accessories: (add to end of part number)
- DR-4= 4" DIN Rail ..... $ 7.00

SC-FI Signal Conditioner

Example SC-FI D ET Price

Series
- **FI=** Frequency to Current

Mounting:
- * **B=** Nema 4X ..... $ 273.00
- * C= Explosion Proof ..... $ 443.00
- D= DIN Rail ..... $ 204.00

Options:
- ET= Extended Temp: -4° to 185°F (-20° to 85° C) ..... add $ 29.00
- T = Third Conduit Entry in Ex-Proof Housing ..... add $ 27.00
- H2 = 0.875" Hole for mounting style B ..... add $ 12.00
- HF2 = 0.5" Female NPT Hub fitting ..... add $ 27.00
- H3 = 1.125" Hole for mounting style B ..... add $ 12.00
- HF3 = 0.75" Female NPT Hub fitting ..... add $ 27.00
- L = Low Count Speed for Contact Closure Inputs

Accessories: (add to end of part number)
- DR-4= 4" DIN Rail ..... $ 7.00

SC-II Signal Conditioner

Example SC-II D ET Price

Series
- **II=** Current to Current

Mounting:
- * **B=** Nema 4X ..... $ 227.00
- * C= Explosion Proof ..... $ 401.00
- D= DIN Rail ..... $ 163.00

Options:
- ET= Extended Temp: -4° to 185°F (-20° to 85° C) ..... add $ 29.00
- T = Third Conduit Entry in Ex-Proof Housing ..... add $ 27.00
- H2 = 0.875" Hole for mounting style B ..... add $ 12.00
- HF2 = 0.5" Female NPT Hub fitting ..... add $ 27.00
- H3 = 1.125" Hole for mounting style B ..... add $ 12.00
- HF3 = 0.75" Female NPT Hub fitting ..... add $ 27.00

Accessories: (add to end of part number)
- DR-4= 4" DIN Rail ..... $ 7.00

SC-IF Signal Conditioner

Example SC-IF D ET Price

Series
- **IF=** Current to Frequency

Mounting:
- * **B=** Nema 4X ..... $ 227.00
- * C= Explosion Proof ..... $ 401.00
- D= DIN Rail ..... $ 163.00

Options:
- ET= Extended Temp: -4° to 185°F (-20° to 85° C) ..... add $ 29.00
- T = Third Conduit Entry in Ex-Proof Housing ..... add $ 27.00
- H2 = 0.875" Hole for mounting style B ..... add $ 12.00
- HF2 = 0.5" Female NPT Hub fitting ..... add $ 27.00
- H3 = 1.125" Hole for mounting style B ..... add $ 12.00
- HF3 = 0.75" Female NPT Hub fitting ..... add $ 27.00

Accessories: (add to end of part number)
- DR-4= 4" DIN Rail ..... $ 7.00

* Limited Discount Applies

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

SCPS Counter

EXAMPLE: SCPS 14 P 2 H(12) 5 U 1 B2 100CPS — **Price**

Series $682.00

No. ot Dglts
- 14 = 4 digits
- **16** = 6 digits

Mounting
- **P** = Panel
- B = Bench ..... add $51.00
- W = Wall ..... add $75.00

Reset
- 1 = Panel
- 2 = Remote
- **3** = Both

Add L R. to change preset without affecting count (Available on “U” Mode only) ..... add $34.00

Input to Count (Specify Voltage)
- **H**(3-30) VDC = High Impedance pulses
- V(5-11) or (12-260) VAC or VDC pulses ..... add $58.00
- S(3-30) VDC = Up/down control line
- SP(3-30) VDC = Simultaneous add/sub. pulses ..... add $75.00
- D (3-30) VDC = Quadrature ..... add $75.00
- DS2 (3-30) VDC = Quadrature x 2 ..... add $75.00
- DS4 (3-30) VDC = Quadrature x 4 ..... add $75.00

Power Supply Voltage
- 1 = 12 VDC ± 10%
- 2 = 24 VDC ± 10%
- **5** = 110 VAC/50 to 400 Hz

Mode of Operation
- U = Resets to zero
- D = Resets to preset

Presets
- **1** = 1 variable preset, standard
- 2 = Fixed presignal (D Mode only)(specify value) ... add $69.00
- 3 = 2 variable presets, count down modes only ..... add $29.00

Control Outputs

Auto-reset versions - pot adjustable on time 2 ms to 1 full second

Relay - 10 Amps
- **A** = Relay latched til reset (specify 1 or 2 form C)
- B = Relay auto-recycling (specify 1 or 2 form C)

Solid State Relays - 2 Amps 120 VAC only ..... add $51.00
- C = Triac latched til reset (specify 1 or 2 relays)
- D = Triac auto-recycling (specify 1 or 2 relays)

Open Collector 300 milliamps 3 to 30 VDC only
- V = Normally off turns on ‘til reset
- W = Normally off auto-recycling Dual

Outputs - Relays - 10 Amps- (Down Counters Only)
- M = Relay presignal latched ‘til reset, relay final signal latched ’til reset
- N = Relay presignal latched ‘til reset, relay final signal auto-recycling
- H = Relay presignal momentary relay final signal latched 'til reset
- O = Relay presignal momentary relay final signal auto-recycling

Specify Count Speed
- Over 10 KHz ..... add $46.00

SCPT Timer

EX: SCPT MX100 16 P 2 C(12) 5 U 1 B2 — **Price**

Series $682.00

Resolution
- S = Seconds only
- SX10 = Seconds and tenths
- SX100 = Seconds and hundredths
- SX1000 = Seconds and thousandths
- **MX100** = Minutes and hundredths
- HMS = Hours, minutes and seconds
- MS9 = Minutes, seconds and hundreths; 59, 59, 60

No. of Digits
- 14 = 4 digits
- **16** = 6 digits

Mounting
- **P** = Panel
- B = Bench ..... add $51.00
- W = Wall ..... add $75.00

Reset
- 1 = Panel
- 2 = Remote
- **3** = Both

Add LR to change preset without effecting time (available on "U" (time up) mode only) ..... add $34.00

Input to Time (specify Voltage)
- **C**( ) =Switch Closure
- JK( ) =Voltage; pulse on/pulse off

Power Supply Voltage
- 1 = 12 VDC ± 10%
- 2 = 24 VDC ± 10%
- **5** = 110 VAC/50 to 400 Hz

Mode of Operation
- **U** = Times up to preset
- D = Times down from preset to zero

Presets
- **1** = 1 variable preset, standard
- 2 = Fixed presignal (D Mode only) (specify value) ..... add $69.00
- 3 = 2 variable presets (D Mode only) ..... add $29.00

Control Outputs
- **A** = Relay latched til reset (specify 1 or 2 form C)
- B = Relay auto-recycling (specify 1 or 2 form C)

Solid State Relays - 2 Amps 120 VAC only ..... add $51.00
- C = Triac latched til reset (specify 1 or 2 relays)
- D = Triac auto-recycling (specify 1 or 2 relays)

Open Collector 300 milliamps 3 to 30 VDC only
- V = Normally off, turns on ‘til reset
- W = Normally off, auto-recycling

Dual Outputs - Relays - 10 Amps -(Down Counters Only)
- M = Relay presignal latched 'til reset, relay final signal latched 'til reset
- N = Relay presignal latched 'til reset, relay final signal auto-recycling
- H = Relay presignal momentary relay final signal latched 'til reset
- O = Relay presignal momentary relay final signal auto-recycling

SHIFT-TROL (ST) Shift Monitor

EXAMPLE: ST3 A 1 PRICE

Series

ST0: 3 shifts, no scaling, ...$274.00
1 separate preset counter with 1 control output

ST1: 3 shifts, scaling, ...$314.00
1 separate preset counter with 1 control output

ST2: 3 shifts, scaling, ...$398.00
1 separate preset counter with 2 control outputs

ST3: 4 shifts, scaling, ...$541.00
1 separate preset counter with 2 control outputs,
1 separate RPM ratemeter of unscaled input data,
selectable: Grand Total, 5th Shift or Run Time.

ST4: 3 shifts, scaling, ...$541.00
1 separate preset counter with 2 control outputs,
1 separate ratemeter with separate scaling,
selectable: Grand Total, 4th Shift or Run Time.

Operating Voltage
A= 110 VAC ± 15% or 12 to 15 VDC
B= 220 VAC ± 15% or 12 to 15 VDC
C= 24 VAC ± 15% or 12 to 15 VDC

Options
1 = RS232 Communications.....$117.00
2 = RS422 Communications.....$117.00

Accessories
Separate non keyboard panel order #34235 .....$ 35.00
Separate keyboard panel - order #34242 .....$ 53.00
NEMA4 wall mount enclosure available see LCN4X & MS821
Explosion proof enclosure available see XHV
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285

SHPFI- Smart Frequency to Current Converter

EXAMPLE: SHPFI-M 2 HF2 ET Price

Series:

Mounting:
0 = OEM .....$ 361.00
2 = NEMA 4X Box.....$ 443.00
3 = Explosion Proof Housing .....$ 464.00

Mounting Options for NEMA 4X:
H2 = 0.875" Hole for NEMA4X mounting style .....add $ 12.00
HF2 = 0.5" Female NPT Hub fitting .....add $ 27.00
for NEMA4X mounting style
H3 = 1.125" Hole for NEMA4X mounting style .....add $ 12.00
HF3 = 3/4" Female NPT Hub fitting .....add $ 27.00
for NEMA4X mounting style

Additional conduit entry configurations are available, consult factory.

Options (Multiple Options Available)
ET = Extended Temp.: -22°F to 158°F (-30°C to 70°C).....add $ 59.00
CE** = CE Compliant
CSA** = CSA Listed Explosion Proof (planned)).....add $ 27.00
IS** = UL Listed IS (planned).....add $ 55.00

Accessories:
115-24 = 115 VAC to 24 VDC power supply
BSAC1 = RS232 Serial Adapter Cable .....add $ 163.00
(for programming only) with setup software.
For use with S1 option.
TFMMK-1 = Turbine Flowmeter Mounting Kit .....add $ 52.00
for flow meters with a 1" Male NPT riser
TFMMK-3/4 = Turbine Flowmeter Mounting Kit .....add $ 52.00
for flow meters with a 3/4" Male NPT riser
CATM 2-18FL = 18" Long Turbine Flowmeter .....add $ 16.00
Cable Assembly

** Contact factory for latest information

SMIC Cables MMI Touchscreens

Part Number PLC Type $70.00 each

SMIC15AB500-05	AB SLC500 types with RJ45, DH485 port
SMICABDF1-05	AB SLC500 5/03, 5/04 with DB9, DF1 port
SMICABMICRO-05	AB MicroLogix with MiniDIN8 port
SMIC15GE90-05	All GE90 Series SNP-X port
SMIC15IDECM3-05	Idec Micro3 Series
SMICIDECM3C-05	Idec Micro3C Series (RS-232C Loader Port)
SMICK205-05	Koyo DL05,105 & 205 Series and 350 (RJ11 port)
SMICK405-05	Koyo 440, Siemens Simatic 425, 435
SMICMOD-05	All Modbus and J-Bus compatible PLC's with DB9 port
SMICMODMICRO-05	All Modbus and J-Bus compatible PLC's with RJ45 port
500_AnS-05	Mitsubishi A Series
SMIC15MITFX-05	Mitsubishi FX Series, DB25 port
SMIC15MITFXMICRO-05	Mitsubishi FXo and FX2n, MiniDIN8 port
SMICOMCQM-05	Omron CQM1 Series
SMIC15SIS7-05	Siemens S7-200 Series
SMICTSBT1-05	Toshiba T1 only
SMIC15TSX07-05	Telemecanique TSX 07 (nano), TSX37

Accessories:
MMI-TS-PDK: $60.00
Easybuilder CD, Printed Manual and MT5_PC Programming cable for MMI touchscreens.

SMIC Cables for MMI-1XX & MMI-2XX

EXAMPLE: SMIC GE90- 05 Price

Series .....$ 70.00

PLC Type

AB500	AB SLC500 types with RJ45, DH485 port
ABDF1	AB SLC500 5/03, 5/04 with DB9, DF1 port
ABMICRO	AB MicroLogix with MiniDIN8 port
ARO	All Aromat FP1 Series
FUJI	Fuji Flex SeriesNB, NJ and NS
GE90	All GE 90 Series SNP Port
IDECM1	Idec M1 and FA2J
IDECM3	Idec Micro3 Series
IDECM3C	Idec Micro3C Series (RS-232C Loader Port)
K205	Koyo DL05,105 & 205 Series and 350 (RJ11 port)
K305	Koyo 340, Siemens Simatic 335, 337
K405	Koyo 440, Siemens Simatic 425, 435
KEY	Keyence KV 10,16,24,40 & 80, KV300
MOD	All Modbus and J-Bus compatible PLC's with DB9 port
MODMICRO	All Modbus and J-Bus compatible PLC's with RJ45 port
MITFX	Mitsubishi FX Series, DB25 port
MITFX0	Mitsubishi FXo and FX2n, MiniDIN8 port
OMCK25	Omron C Series, (Host link modules)
OMCH9	Omron CH Series
OMCQM	Omron CQM1 Series
SIS5	Siemens S5 Series, 95, 100, 102, 103, 115
SIS7	Siemens S7-200 Series
SI135	Siemens S5 Series, 135 only
TSB485	Toshiba EX & M Series RS422 Link Port
TSBT1	Toshiba T1 only
TSBT2	Toshiba T2 and T3
TSBTLINK	Toshiba T2 and T3 Link Port
TSX07	Telemecanique TSX 07 (nano), TSX37
TSX17	Telemecanique TSX 17
TSX47	Telemecanique TSX 47-40, TSX 47-20

Cable Length
05 = 5 feet

Accessories:
ZA9M9F - Five feet of cable with DB9 male connector $60.00
and DB9 female connector.
(PC end, normally used for "AT" COM1)
ZA9M25F - Five feet of cable with DB9 male connector $60.00
and DB25 female connector.
(PC end, normally used for "XT" or "AT" COM2)
MMISOFT* - Setup software for MMI, IMC & IMC2 series.....$25.00
* Limited Discount Applies

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

SQUIRT Ratemeter/Totalizer

Example: SQUIRT 3 *ET* Price

SQUIRT
Loop powered; Rate & Total

Mounting:
- 0 = OEM ..... $ 337.00
- **1** = Panel Mount ..... $ 341.00
- 2 = NEMA 4X Box (Squirt behind clear cover) ..... $ 449.00
- 3 = Explosion Proof Housing ..... $ 657.00
- 5 = NEMA 4X Box (Squirt outside opaque cover) ..... $ 449.00

Options:
- ET = Extended Temp.: -22°F to 158°F (-30°C to 70°C) ..... add $ 59.00
- ATEXCASE** = European Flame Proof ..... add $ 94.00
  ATEX Case (consult factory)
- R = External Magnetic Reset ..... add $ 78.00
  for NEMA4X & Explosion Proof Enclosures
- RX = NEMA7 Explosion Proof Reset Switch ..... add $ 128.00
  for Explosion Proof Enclosure with
  3/4" straight thread side entry
- H2 = 0.875" Hole for mounting styles 2 and 5 ..... add $ 12.00
- HF2 = 0.5" Female NPT Hub fitting (mount styles 2 & 5) ..... add $ 27.00
- H3 = 1.125" Hole for mounting styles 2 and 5 ..... add $ 12.00
- HF3 = 0.75" Female NPT Hub fitting (mount styles 2 & 5) ..... add $ 27.00

** Contact factory for latest information

SQUIRT-R Ratemeter

Example: SQUIRTR 3 *ET* Price

SQUIRTR
Loop powered; Rate Only

Mounting:
- 0 = OEM ..... $ 309.00
- **1** = Panel Mount ..... $ 315.00
- 2 = NEMA 4X Box (Squirt behind clear cover) ..... $ 423.00
- 3 = Explosion Proof Housing ..... $ 629.00
- 5 = NEMA 4X Box (Squirt outside opaque cover) ..... $ 423.00

Options:
- ET = Extended Temp.: -22°F to 158°F (-30°C to 70°C) ..... add $ 59.00
- ATEXCASE** = European Flame Proof ..... add $ 94.00
  ATEX Case (consult factory)
- H2 = 0.875" Hole for mounting styles 2 and 5 ..... add $ 12.00
- HF2 = 0.5" Female NPT Hub fitting (mount styles 2 & 5) ..... add $ 27.00
- H3 = 1.125" Hole for mounting styles 2 and 5 ..... add $ 12.00
- HF3 = 0.75" Female NPT Hub fitting (mount styles 2 & 5) ..... add $ 27.00

** Contact factory for latest information

SUPERtrol-I (ST1) Flow Computer

Example ST1 L 1 A 0 P TU Price

Series:
- **ST1**= Supertrol-1 ..... $ 799.00

Display Type:
- **L**= LCD
- O= OLED
- V= VFD ..... add $ 109.00

Input Type:
- **1**= 110 VAC
- 2= 220 VAC
- 3= 12 VDC (10 to 14 VDC)
- 4= 24 VDC (14 to 28 VDC)

Relays:
- **A**= 2 SPDT Relays
- B= 4 SPDT Relays ..... add $ 57.00

Network Card:
- **0**= None (STD)
- 2= RS485/Modbus ..... add $ 218.00

Mounting:
- **P**= Panel Mount
- *N= NEMA 4 Wall Mount (see MS811) ..... add $ 201.00
- *W= NEMA 12/13 Wall Mount w/ Clear Cover ..... add $ 227.00
- *E= Explosion Proof (No Button Access) ..... see XHVD

Options:
- ET= Extended Temperature ..... add $ 27.00
  -4°F to 131°F (-20°C to 55°C)
- IM = IM-2400 Internal Modem ..... $ 217.00
- IM-56K = 56K Internal Secure Modem ..... $ 456.00
- M = Modem Power Option ..... add $ 27.00
- TB= RS485 Terminal Block ..... add $ 27.00
  for Panel Mount Enclosure

Accessories:

OPC/DDE Server for RS232 Port available, see EX5-UCOND-NA00
OPC/DDE Server for Modbus Suite available, see EX5-MDBUS-NA00
Modem Available, see MPP-56KN, MPP-2400 and MPP-2400N
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285
RS232 Extender Cable: P/N=13220-<length in inches> $39
Remote metering and data collection software available, see TROLlink

RoHS Compliant planned

* Limited Discount Applies

SUPERtrol-ILE (ST1LE) Flow Computer

Example	ST1LE	L	1	A	0	P	Price

Series:
- **ST1LE** = SUPERtrol-I LE ..... $ 704.00

Display Type:
- **L**= LCD
- O= OLED
- V= VFD ..... add $ 109.00

Input Type:
- **1**= 110 VAC
- 2= 220 VAC
- 3= 12 VDC (10 to 14 VDC)
- 4= 24 VDC (14 to 28 VDC)

Relays:
- **A**= 2 SPDT Relays
- B= 4 SPDT Relays ..... add $ 57.00

Network Card:
- **0**= None (STD)
- 2= RS485/Modbus ..... add $ 218.00

Mounting:
- **P**= Panel Mount
- * N= NEMA 4 Wall Mount (see MS811) ..... add $ 201.00
- * W= NEMA 12/13 Wall Mount w/ Clear Cover ..... add $ 227.00
- * E= Explosion Proof (No Button Access) ..... see XHVD

Options:
- ET= Extended Temperature ..... add $ 27.00
  -4°F to 131°F (-20°C to 55°C)
- IM = IM-2400 Internal Modem ..... $ 217.00
- IM-56K = 56K Internal Secure Modem ..... $ 456.00
- M = Modem Power Option ..... add $ 27.00
- TB= RS485 Terminal Block ..... add $ 27.00
  for Panel Mount Enclosure

Accessories:

OPC/DDE Server for RS232 Port available, see EX5-UCOND-NA00
OPC/DDE Server for Modbus Suite available, see EX5-MDBUS-NA00
Modem Available, see MPP-56KN, MPP-2400 and MPP-2400N
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285
RS232 Extender Cable: P/N=13220-<length in inches> $39
Remote metering and data collection software available, see TROLlink

RoHS Compliant planned

ST1-MANIFOLD-FC

Ex: ST1MANIFOLDFC	L	1	A	0	P	ET	Price

Series:
- **ST1MANIFOLDFC =** Manifold Controller $969.00

Display Type:
- **L**= LCD
- O= OLED
- V= VFD ..... add $ 109.00

Input Type:
- **1**= 110 VAC
- 2= 220 VAC
- 3= 12 VDC (10 to 14 VDC)
- 4= 24 VDC (14 to 28 VDC)

Relays:
- **A**= 2 SPDT Relays
- B= 4 SPDT Relays ..... add $ 57.00

Network Card:
- **0**= None (STD)
- 2= RS485/Modbus ..... add $ 218.00

Mounting:
- **P**= Panel Mount
- * N= NEMA 4 Wall Mount (see MS811) ..... add $ 201.00
- * W= NEMA 12/13 Wall Mount w/ Clear Cover ..... add $ 227.00
- * E= Explosion Proof (No Button Access) ..... see XHVD

Options:
- ET= Extended Temperature ..... add $ 27.00
  -4°F to 131°F (-20°C to 55°C)
- IM = IM-2400 Internal Modem ..... $ 217.00
- M = Modem Power Option ..... add $ 27.00
- TB= RS485 Terminal Block ..... add $ 27.00
  for Panel Mount Enclosure

Accessories:

OPC/DDE Server for RS232 Port available, see EX5-UCOND-NA00
OPC/DDE Server for Modbus Suite available, see EX5-MDBUS-NA00
Modem Available, see MPP-56KN, MPP-2400 and MPP-2400N
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285
RS232 Extender Cable: P/N=13220-<length in inches> $39
Remote metering and data collection software available, see TROLlink

RoHS Compliant planned

* Limited Discount Applies

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

ST1-NET-FC

Example	ST1NETFC	L	1	A	0	P	ET	Price

Series:
ST1NETFC = Net Flow Computer $969.00
Display Type:
L= LCD
O= OLED
V= VFD ..... add $ 109.00
Input Type:
1= 110 VAC
2= 220 VAC
3= 12 VDC (10 to 14 VDC)
4= 24 VDC (14 to 28 VDC)
Relays:
A= 2 SPDT Relays
B= 4 SPDT Relays ..... add $ 57.00
Network Card:
0= None (STD)
2= RS485/Modbus ..... add $ 218.00
Mounting:
P= Panel Mount
* N= NEMA 4 Wall Mount (see MS811) ..... add $ 201.00
* W= NEMA 12/13 Wall Mount w/ Clear Cover ..... add $ 227.00
* E= Explosion Proof (No Button Access) ..... see XHVD

Options:
ET= Extended Temperature ..... add $ 27.00
-4°F to 131°F (-20°C to 55°C)
IM = IM-2400 Internal Modem ..... $ 217.00
M = Modem Power Option ..... add $ 27.00
TB= RS485 Terminal Block ..... add $ 27.00
for Panel Mount Enclosure

Accessories:
OPC/DDE Server for RS232 Port available, see EX5-UCOND-NA00
OPC/DDE Server for Modbus Suite available, see EX5-MDBUS-NA00
Modem Available, see MPP-56KN, MPP-2400 and MPP-2400N
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285
RS232 Extender Cable: P/N=13220-<length in inches> $39
Remote metering and data collection software available, see TROLlink

RoHS Compliant planned

ST1-SUM-FC

Example	ST1SUMFC	L	1	A	0	P	ET	Price

Series:
ST1SUMFC = Flow Computer $969.00
Display Type:
L= LCD
O= OLED
V= VFD ..... add $ 109.00
Input Type:
1= 110 VAC
2= 220 VAC
3= 12 VDC (10 to 14 VDC)
4= 24 VDC (14 to 28 VDC)
Relays:
A= 2 SPDT Relays
B= 4 SPDT Relays ..... add $ 57.00
Network Card:
0= None (STD)
2= RS485/Modbus ..... add $ 218.00
Mounting:
P= Panel Mount
* N= NEMA 4 Wall Mount (see MS811) ..... add $ 201.00
* W= NEMA 12/13 Wall Mount w/ Clear Cover ..... add $ 227.00
* E= Explosion Proof (No Button Access) ..... see XHVD

Options:
ET= Extended Temperature ..... add $ 27.00
-4°F to 131°F (-20°C to 55°C)
IM = IM-2400 Internal Modem ..... $ 217.00
M = Modem Power Option ..... add $ 27.00
TB= RS485 Terminal Block ..... add $ 27.00
for Panel Mount Enclosure

Accessories:
OPC/DDE Server for RS232 Port available, see EX5-UCOND-NA00
OPC/DDE Server for Modbus Suite available, see EX5-MDBUS-NA00
Modem Available, see MPP-56KN, MPP-2400 and MPP-2400N
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285
RS232 Extender Cable: P/N=13220-<length in inches> $39
Remote metering and data collection software available, see TROLlink

RoHS Compliant planned

* Limited Discount Applies

SUPERtrol-II (ST2) Flow Computer

Example	ST2	L	1	0	P	TU	Price

Series:
- **ST2** = Flow Computer ..... $ 1109.00

Display Type:
- **L**= LCD
- O= OLED
- V= VFD ..... add $ 109.00

Input Type:
- **1**= 85 to 276 VAC
- 3= 24 VDC

Network Card:
- **0**= None
- 1= RS485/Modbus ..... add $ 218.00

Mounting:
- **P**= Panel Mount
- * N= NEMA 4 Wall Mount (see MS811) ..... add $ 201.00
- * W= NEMA 12/13 Wall Mount w/ Clear Cover ..... add $ 227.00
- * E= Explosion Proof (No Button Access) ..... see XHVD

Options:
- 1 = Peak Demand ..... add $ 57.00
- 2 = AGA NX-19 calculation for natural gas ..... add $ 57.00
- 3 = Three Relays ..... add $ 57.00
- 4 = Stacked DP option ..... add $ 57.00
- 5 = Datalogger option (consult factory) ..... add $163.00
- 6 = Stack Emissions Controller option ..... add $ 57.00
- 7 = Manifold Flowmeter Controller option ..... add $ 57.00
- 9 = 3 Relay Super Chip (options 1, 2, 4, 6,7) ..... add $ 57.00
- 10 = 2 Relay Super Chip (options 1, 2, 4, 6,7) ..... add $ 57.00
- 13 = Superchip; 2 relay, Positive heat only ..... add $ 57.00
- 14 = Superchip; 3 relay, Positive heat only ..... add $ 57.00
- 22 = Superchip; 2 relay, For use with 4 terminal multi-variable vortex meters ..... add $ 57.00
- 26 = Superchip; 3 relay, For use with 4 terminal multi-variable vortex meters ..... add $ 57.00
- TM = Trap monitor RS485 network card ..... add $ 218.00
- IM = Internal Modem ..... add $ 217.00
- IM-56K = 56K Internal Secure Modem ..... add $ 456.00
- M = Modem Power Option ..... add $27.00
- ET= Extended Temperature LCD Display ..... add $27.00
- TB= RS485 Terminal Block for Panel Mount Enclosure ..... add $27.00
- TU = Translation Utility Disk ..... add $ 109.00

Accessories:

ST2 SETUP PRO - Advanced setup software for ST2 family $515
OPC/DDE Server for RS232 Port available, see EX5-UCOND-NA00
OPC/DDE Server for Modbus Suite available, see EX5-MDBUS-NA00
Modem Available, see MPP-56KN, MPP-2400 and MPP-2400N
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285
RS232 Extender Cable: P/N=13220-<length in inches> $39
Remote metering and data collection software available, see TROLlink

RoHS Compliant planned

STX-ST1 Explosion Proof Batcher*

Example	STX-ST1	L	1	A	0	X	ET	Price

Series:
- STX-ST1= Supertrol-1 Explosion Proof $4000.00

Display Type:
- L= LCD
- O= OLED
- V= VFD ..... add $ 109.00

Input Type:
- 1= 110 VAC
- 2= 220 VAC
- 3= 12 VDC (10 to 14 VDC)
- 4= 24 VDC (14 to 28 VDC)

Relays:
- A= 2 SPDT Relays
- B= 4 SPDT Relays ..... add $ 57.00

Network Card:
- 0= None (STD)
- 2= RS485/Modbus (optional 2nd COM port) ..... add $ 218.00

Mounting:
- X= Explosion Proof

Options:
- ET= Extended Temperature LCD Display ..... add $27.00
  -4°F to 131°F (-20°C to 55°C)
- IM = Internal Modem ..... add $217.00
- M = Modem Power Option ..... add $27.00

Accessories:

OPC/DDE Server for RS232 Port available, see EX5-UCOND-NA00
OPC/DDE Server for Modbus Suite available, see EX5-MDBUS-NA00
Modem Available, see MPP-2400N (requires M option)
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS for RS232 port
Ethernet Port Server Modbus TCP available, see ADAM4572
RS-422/485 to RS-232 Communication Adaptor available, see CA285
Remote metering and data collection software available, see TROLlink

* Limited Discount Applies

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

TROLlink Communication Software*

TROLlink..... $3245.00*

Remote metering and data collection software for SUPERTROL I, SUPERtrol II, ES-747, LEVELTROL II, MASSTROL, DPFC

TROLlink Jr. Communication Software*

TrolLink-Jr-1 = Data collection from 1 unit **$155.00***
TrolLink-Jr-5 = Data collection from 1 to 5 units **$649.00***
TrolLink-Jr-15 = Data collection from 1 to 15 units **$1623.00***

Remote metering and data collection software for SUPERTROL I, SUPERtrol II, ES-747, LEVELTROL II, MASSTROL, DPFC

TWP Two Way Pager

EXAMPLE	TWP	N	W	6ST2	Price

THIS PRODUCT LINE HAS BEEN DISCONTINUED

TWTB /& TWSTB Thumbwheel Switches

EXAMPLE: TWTB 4 0 MP

Series
TWTB: Moisture sealed
TWSTB

Number of Digits
1 through 10

Blank — To order blanks: state the # of digits before, "X" (blank), then the # of digits after. EX: TWTB 2X2 0 is a thumbwheel with 2 digits, a blank, 2 more digits & polarity 0

Decimal — To order decimals: state the # of digits before, "." (decimal), then the # of digits after. EX: TWTB 2.2 0 is a thumbwheel with 2 digits, a decimal, 2 more digits & polarity 0

Polarity
0,1,2

Standard Mounting
MP-Mounting Panel

PRICING:

TWTB	2 Digit w/MP	$115.00
	each extra digit	$30.00
	each blank	$9.00
	each decimal Pt.	$9.00
TWSTB	2 Digit w/MP	$79.00
	each extra digit	$20.00
	each blank	$9.00
	each decimal Pt.	$9.00

* Limited Discount Applies

USB-232 USB to Serial Port Converter*

Part Number	Description	Price
USB-232	USB to Serial Port Adapter with 6' cable, DB-9 Male 32/64 bit VISTA / W7/ W8/ XP Certified.	$50.00

XHV* Housing

Example: XHV 7/4 A A S1 Price

Series:
- XHV 7/4 (8.5" high for INT69, MRT, Reporter, etc.) ..... $ 716.00
- XHVD 7/4 (11.5" high for Supertrol 1 and 2) ..... $ 979.00

Mounting Sub Panel:
- A = Panel for (1) 1/8 DIN unit (INT69, MRT, etc.)
- B = Panel for (2) 1/8 DIN units (INT69, MRT, etc.)
- C = Panel for (1) DIN 144 x 72 mm unit (Supertrol, Reporter)

Assembly By KEP:
- A = Assembled by KEP ..... add $ 28.00
- X = No Assembly

Options:
- S1 = 1 Magnetic Reset Switch and Magnet ..... add $ 40.00
- S2 = 2 Magnetic Reset Switches and Magnet ..... add $ 73.00

Accessories:

XHVA-1 = Magnetic Switch ..... $ 18.00

XHVA-2 = Actuating Magnet ..... $ 13.00

Note: ..... When placing the order, the unit part number directly following the XHV part number on the Purchase Order is the one that will be assembled into the XHV housing.

* Limited Discount Applies

RoHS Compliant planned

XTROL 7/4* Housing

"Discontinued"

The XTROL has been discontinued and the tooling destroyed by the foundry. See STX-ST1.

ZS110 Upgarde Options (No Discounts Apply)

ZS110-MT6070iE $650.00
Replaces HMI units with 5.7, 5.6, 7 and 8” displays
(Must specify display size being replaced 5.6" or 8")

ZS110-MT8070iE $860.00
Replaces HMI units with 5.7, 5.6, 7 and 8” displays and Ethernet
(Must specify display size being replaced 5.6" or 8")

ZS110-MT8100iE $1050.00
Replaces HMI units with 10.4” displays

ZS113 HMI Touchscreen Displays with Black Overlay

ZS113-MT8050iE 4.3" TFT color $339.00
ZS113-MT6070iE 7" TFT color $490.00
ZS113-MT8070iE 7" TFT color with Ethernet $600.00
NOTE: ZS113 units are not UL approved

* Limited Discount Applies

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

Replacement Products

Spare Parts**

ORDER NO.	DESCRIPTION	Price
Model 36120	Flex Cover	$ 50.00
KRTBEZEL	Front panel bezel for KEPtrol R/T	$ 62.00
BT2BEZEL	Front panel bezel for BT2	$ 62.00
KEPTROLBEZEL	Front panel bezel for KEPtrol	$ 62.00
FLOWBEZEL	Front panel bezel for FLOWtrol	$ 62.00
MB8BEZEL	Front panel bezel for MASSbatch	$ 62.00
LVTBEZEL	Front panel bezel for LEVELtrol	$ 62.00
KFCBEZEL	Front panel bezel for KEPtrol F/C	$ 62.00
ST1LELCDFRONT	LCD Front panel assembly for SUPERtrol I*LE*	$ 325.00
ST1LEVFDFRONT	VFD Front panel assembly for SUPERtrol I*LE*	$ 380.00
ST1LCDFRONT	LCD Front panel assembly for SUPERtrol I	$ 325.00
ST1RS485MODBUS	RS485 modbus upgrade/replacement board for SUPERtrol I ***Consult factory for instructions for spare parts and upgrade components.***	$ 198.00
ST1VFDFRONT	VFD Front panel assembly for SUPERtrol I	$ 380.00
ST2LCDFRONT	LCD Front panel assembly for SUPERtrol II	$ 335.00
ST2VFDFRONT	VFD Front panel assembly for SUPERtrol II	$ 380.00
LT2LCDFRONT	LCD Front panel assembly for LEVELtrol II	$ 325.00
ST2RS485EXPANDEDMODBUS	RS485 modbus upgrade/replacement board for SUPERtrol II ***Consult factory for instructions for spare parts and upgrade components.***	$ 198.00
LT2VFDFRONT	VFD Front panel assembly for LEVELtrol II	$ 380.00
KP8CASE	Case for KEPtrol	$ 25.00
KRTCASE	Case for KEPtrol R/T	$ 25.00
BT2CASE	Case for BT2	$ 25.00
FIOCASE	Case for Flowtrol	$ 25.00
ST1LEREAR	Rear Case for SUPERtrol I*LE*	$ 27.00
ST1REAR	Rear Case for SUPERtrol I	$ 49.00
ST2REAR	Rear Case for SUPERtrol II	$ 49.00
ST2REARRS485	Rear Case for SUPERtrol II with RS485 DB9 Connector	$ 87.00
ST2REARRS485TB	Rear Case for SUPERtrol II with RS485 Terminal Block Connector	$ 99.00
LT2REAR	Rear Case for LEVELtrol II	$ 49.00
Model 34503	Mounting Kit for: MRT series, INT69 series, BEACON series	$ 7.00
STMOUNT	Mounting Kit for: ST1series, ST2 series, LT2 series	$ 22.00
TROLCLAMP	Mounting Kit (4 clamps & gasket)	$ 14.00
†*BATCHMAINRT3L	KP8, KRT, BT2 Mainboard	$ 489.00
†*FLOWTROLMAIN	FLOWtrol Mainboard	$ 489.00

ORDER NO.	DESCRIPTION	Price
†*ST1LEMAINDC2	SUPERtrol I*LE* Mainboard, Specify 12 or 24V DC Powered, 2 Relays	$ 542.00
†*ST1LEMAINDC4	SUPERtrol I*LE* Mainboard, Specify 12 or 24V DC Powered, 4 Relays	$ 579.00
†*ST1LEMAINAC2	SUPERtrol I*LE* Mainboard, AC Powered, 2 Relays	$ 542.00
†*ST1LEMAINAC4	SUPERtrol I*LE* Mainboard, AC Powered, 4 Relays	$ 579.00
†*ST1MAINDC2	SUPERtrol I Mainboard, Specify 12 or 24V DC Powered, 2 Relays	$ 666.00
†*ST1MAINDC4	SUPERtrol I Mainboard, Specify 12 or 24V DC Powered, 4 Relays	$ 704.00
†*ST1MAINAC2	SUPERtrol I Mainboard, AC Powered, 2 Relays	$ 666.00
†*ST1MAINAC4	SUPERtrol I Mainboard, AC Powered, 4 Relays	$ 704.00
***ST2MAINDC2**	SUPERtrol II Mainboard, 12-24V DC Powered, 2 Relays	$ 982.00
***ST2MAINDC3**	SUPERtrol II Mainboard, 12-24V DC Powered, 3 Relays	$ 1039.00
***ST2MAINAC2**	SUPERtrol II Mainboard, AC Powered, 2 Relays	$ 1012.00
***ST2MAINAC3**	SUPERtrol II Mainboard, AC Powered, 3 Relays	$ 1039.00
†*LT2MAINDC2	LEVELtrol II Mainboard, Specify 12 or 24V DC Powered, 2 Relays	$ 666.00
†*LT2MAINDC4	LEVELtrol II Mainboard, Specify 12 or 24V DC Powered, 4 Relays	$ 704.00
†*LT2MAINAC2	LEVELtrol II Mainboard, AC Powered, 2 Relays	$ 666.00
†*LT2MAINAC4	LEVELtrol II Mainboard, AC Powered, 4 Relays	$ 704.00
KEPTROLDISP	KP8, KRT, BT2, FLO8 Display Board	$ 121.00

*PROM sold separately (see _Trol Program Chips at right)
† Specify voltage when ordering

**Limited Discount Applies to ALL spare parts

Replacement Products

MINITROL Input Chips**

ORDER NO.	DESCRIPTION	Price
EPLDMRTIN3	High Impedance input chip for Minitrol	$ 30.00
EPLDMRTIN5	Up/down control input chip for Minitrol	$ 43.00
EPLDMRTIN9	Quadrature input chip for Minitrol	$ 43.00

INT69 & MINITROL ACCESSORIES**

ORDER NO.	DESCRIPTION	Price
34235	Non Keyboard Front Panel	$ 37.00
34242	Keyboard Front Panel	$ 55.00
MRTMOUNT	Minitrol / INT69 Mounting Hardware	$ 14.00

BAT R/T & SQUIRT ACCESSORIES**

ORDER NO.	DESCRIPTION	Price
36290	Keyboard for SQUIRT1 and BATRT1	$92.00
36291	Keyboard for SQUIRT0 and BATRT0	$61.00

BT2 & KRT Retrofit Boards**

ORDER NO.	DESCRIPTION	Price
3A/3B	High Imp. 3A & 3 B Pulse Inputs	$ 55.00
BA8ANA4-20MA	Input 5A; 4-20 mA Input	$ 109.00
BA8ANA0-20MA	Input 5B; 0-20 mA Input	$ 109.00
BA8ANA1-5V	Input 5C; 1-5 V Input	$ 109.00
BA8ANA0-5V	Input 5D; 0-5 V Input	$ 109.00
BA8ANA0-10V	Input 5E; 0-10 V Input	$ 109.00
BATCHSQROOT	Input 6A; Square Law Input	$ 200.00
* BA8IO7A4-20M	Input 7A; 4-20 mA In 4-20 mA Out	$ 284.00
* BA8IO7B0-20M	Input 7B; 0-20 mA In 4-20 mA Out	$ 284.00
* BA8IO7C1-5V	Input 7C; 1-5 V In 4-20 mA Out	$ 284.00
* BA8IO7D0-5V	Input 7D; 0-5 V In 4-20 mA Out	$ 284.00
* BA8IO7E0-10V	Input 7E; 0-10 V In 4-20 mA Out	$ 284.00
BA8ANAOUT4-20	4-20mA out for 3A & 3B Inputs	$ 139.00
BA8ANAOUT0-20	0-20mA out for 3A & 3B Inputs	$ 139.00
BA8ANAOUT0-5	0-5V out for 3A & 3B Inputs	$ 139.00
BA8ANAOUT0-10	0-10V out for 3A & 3B Inputs	$ 139.00
BATCHRS232	RS 232 Interface Kit	$ 147.00
BATCHRS422	RS 422 Interface Kit	$ 147.00
MB8IN	MASSbatch Input	$ 135.00
*MB8IN/OUT	MASSbatch Input w/ 4-20mA Out	$ 228.00

* For Other Outputs:
Add suffix X for 0-20 mA (i.e. BA8IO7A4-20MX, MB8IN/OUTX)
Add suffix Y for 0-5 V out (i.e. BA8IO7A4-20MY, MB8IN/OUTY)
Add suffix Z for 0-10 V out (i.e. BA8IO7A4-20MZ, MB8IN/OUTZ)

...TROL Program Chips**

ORDER NO.	DESCRIPTION	Price
PROMBT2	PROM for BATCHtrol II	$ 30.00
PROMBT216PT	PROM for BT2 w/16Pt	$ 92.00
PROMFLO	PROM for FLOWtrol	$ 30.00
PROMKFC	PROM for KEPtrol F/C	$ 44.00
PROMKP8	PROM for KEPtrol	$ 30.00
PROMKRT	PROM for KEPtrol R/T	$ 30.00
PROMKRT16PT	PROM for KRT w/16Pt	$ 92.00
PROMRS	PROM for Trol RS422 & RS232	$ 30.00
PROMRS422M	PROM for Trol RS422M	$ 30.00
PROMMB	PROM for MASSbatch	$ 30.00
PROMMB16PT	PROM for MASSbatch w/ 16Pt	$ 92.00
PROMST1LE	PROM for SUPERtrol-I*LE*	$ 57.00
PROMST1	PROM for SUPERtrol-I	$ 57.00
PROMST2*	PROM for SUPERtrol-II	$ 57.00
PROMST2EXTENDEDMODBUS	PROM for SUPERtrol-II with Modbus	$ 30.00
PROMPEELST2	Decoding PEEL for SUPERtrol-II	$ 30.00
PROMLT2	PROM for LEVELtrol-II	$ 57.00
PROMST485	PROM for ST RS-485	$ 30.00

*Specify Software Version

Spare Fuses**

ORDER NO.	DESCRIPTION	Price
14050	Fuse, ST1, ST1LE, or LT2 12/24 Vdc	$4.00
14039	Fuse, ST1, ST1LE, or LT2 110 Vac Fuse, BT2, KRT, KFC, MB, LTR 110/220 Vac Fuse, MFC, DPFC 110/220Vac	$4.00
14040	Fuse, ST1, ST1LE, or LT2 220 Vac	$4.00
14043	Fuse, ST2 AC	$4.00
14045	Fuse, ST2 DC	$4.00
14078	Fuse, Wall Mount 15 amp 5X20mm FAST Fuse required in support of Duplex Output option on wall mount enclosure	$4.00

Limited Discount Applies

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

Replacement Products

INT61 Counter

EXAMPLE INT6 1 A 1 A 1 5 A Price

SERIES

FUNCTION
- 1 = Counter

MODE
- X = Non Preset (non keyboard) $443.00
- A = 1 Preset (keyboard lens) $495.00

CONTROL OUTPUTS
- 1 = 10 Amp Relay
- 2 = Open Collector Transistor
- X = No Output (non keyboard)

SCALABILITY
- A = ÷ by 1 to 100
- X = No Scaling (non keyboard)

INPUT
- 1 = 3 to 30 VDC Pulse

POWER SUPPLY
- 1 = 12 VDC
- 2 = 24 VDC
- 5 = 110 VAC
- 6 = 220 VAC

DATA OUTPUTS
- X = None
- A = Parallel BCD Output ..... add $138.00
- 2 = Add suffix 2 if non keyboard

Accessories:
- NEMA4 wall mount enclosure available see LCN4X & MS821
- Explosion proof enclosure available see XHV

Distributor discounts do not apply for INT61 Series

INT66 Timer

EXAMPLE INT6 6 A 1 A 1 5 A Price

SERIES

FUNCTION
- 6 = Interval Timer

MODE
- X = Non Preset (non keyboard) $495.00
- A = 1 Preset (keyboard lens) $548.00

CONTROL OUTPUTS
- 1 = 10 Amp Relay
- 2 = Open Collector Transistor
- X = No Output (non keyboard)

SCALABILITY
- X = No Scaling

INPUT
- 1 = 3 to 30 VDC Pulse

POWER SUPPLY
- 1 = 12 VDC
- 2 = 24 VDC
- 5 = 110 VAC
- 6 = 220 VAC

DATA OUTPUTS
- X = None
- A = Parallel BCD Output ..... add $138.00
- 2 = Add suffix 2 if non keyboard

Accessories:
- NEMA4 wall mount enclosure available see LCN4X & MS821
- Explosion proof enclosure available see XHV

Distributor discounts do not apply for INT66 Series

Replacement Products

MMI-210 Message Center

EXAMPLE:	MMI210	V	32	Price

Discontinued; See MMI-220 for replacement

MMI-700,1000, 430, 730, 750, 850, 1050, 1500

MMI-Replacement Models:

MMI430T: ..... See MMI6050 for Replacement
MMI-730T:..... See MMI8056 for Replacement
MMI-730T-E: ..... See MMI8056 for Replacement
MMI-750: ..... See MMI-8056 for Replacement
MMI-750HB: ..... See MMI-8056 for Replacement
MMI-700 ..... See MMI-8056 for Replacement
MMI-850T: ..... See MMI8070H for Replacement
MMI-850T-NE: ..... See MMI8070H for Replacement
MMI-1000 ..... See MMI-8104 for Replacement
MMI-1500M ..... See MMI-8104 for Replacement
MMI-1500: ..... See MMI8104XH for Replacement
MMI-1500T: ..... See MMI8104XH for Replacement

MMI-700, MMI-1000 SMIC Cables

Part Number	PLC Type

Discontinued; No replacement available

MMI-430, MMI-730, MMI-850, MMI-1500 Accessories

Part Number	Price

Replaced by MMI8000 Series

Accessories:

MMI-8XX-COVER: (for MMI-850 Series).....$48.00
Protective Sheet 5 sheets per package.
MMI-15XX-COVER: (for MMI-1500 Series).....$35.00
Protective Sheet 3 sheets per package.

For PLC Type
Use Smart cable (SMIC) part number as indicated in SMIC pricing.
NOTE: MMI touchscreens are shipped with easy builder CD, programming cable and manual on CD. One printed manual per shipment isincluded.

MMI6100

MMI6100 is available for replacement only.
See MMI8100 for replacement
MMI6100: 10.0" Wide Screen TFT color display $990.00

MMI Touchscreen SMIC Cables

Part Number	PLC Type	$70.00 each
SMIC15AB500-05	AB SLC500 types with RJ45, DH485 port	
SMICABDF1-05	AB SLC500 5/03, 5/04 with DB9, DF1 port	
SMICABMICRO-05	AB MicroLogix with MiniDIN8 port	
SMIC15GE90-05	All GE90 Series SNP-X port	
SMIC15IDECM3-05	Idec Micro3 Series	
SMICIDECM3C-05	Idec Micro3C Series (RS-232C Loader Port)	
SMICK205-05	Koyo DL05,105 & 205 Series and 350 (RJ11 port)	
SMICK405-05	Koyo 440, Siemens Simatic 425, 435	
SMICMOD-05	All Modbus and J-Bus compatible PLC's with DB9 port	
SMICMODMICRO-05	All Modbus and J-Bus compatible PLC's with RJ45 port	
500_AnS-05	Mitsubishi A Series	
SMIC15MITFX-05	Mitsubishi FX Series, DB25 port	
SMIC15MITFXMICRO-05	Mitsubishi FXo and FX2n, MiniDIN8 port	
SMICOMCQM-05	Omron CQM1 Series	
SMIC15SIS7-05	Siemens S7-200 Series	
SMICTSBT1-05	Toshiba T1 only	
SMIC15TSX07-05	Telemecanique TSX 07 (nano), TSX37	

PC/C Clock

EXAMPLE:	PC/C	12	2	Price
Series				.....$456.00

Time Mode
12 = 12 Hour AM/PM
24 = 24 Hour
Power Supply
1 = 12 VDC
2 = 24 VDC
5 = 110 VAC 50/60 Hz
6 = 220 VAC 50/60 Hz

PC9000 Slave Display

EXAMPLE:	PC 9	7	B	7	4	PRICE

No Longer Available - See S12 for replacement

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

Ratemeter/Totalizer Specials

ES756

The ES 756 is a special version of the Intellect-69 which offers separate scaling of Rate and Total by means of a programmable scaling factor. The unit also offers a scaled pulse output on output A and/or B.

ES756INT69 Ratemeter/Totalizer

Example: ES756INT69RT A L 1 A Price

Series:

ES756 INT69RT= Ratemeter / Totalizer..... $ 298.00

Operating Voltage:

A= 110 VAC ± 15% or 12 to 24 VDC

B= 220 VAC ± 15% or 12 to 24 VDC

Inputs:

L= Linear

S= Square Law

Control outputs:

1= 2 - Open Collector Outputs (standard)

2= 2 - 10 Amp Form C Relays (optional)..... add $ 55.00

Options (Multiple Options Available)

A= Analog Output (4-20 mA)..... add $ 82.00

Accessories

Separate non keyboard panel order #34235..... $ 37.00

Separate keyboard panel - order #34242..... $ 55.00

NEMA 4X wall mount enclosure available, see LCN4X & NEMA-1/8DIN

XHV 7/4 Explosion Proof Housing available, see XHV7/4

ES730

The ES 730 is a special version of the DRT Dual Ratemeter and Totalizer which offers display indicators. All other features are the same as the standard DRT.

DRT (ES730) Dual Ratemeter/Totalizer

Example: ES730 DRT A 3 A Price

Series:

ES730 DRT= 5 digits, counter / ratemeter .....$ 380.00
with presets, scaling and display indicators

Operating Voltage:

A= 110 VAC ± 15% or 12 to 15 VDC

B= 220 VAC ± 15% or 12 to 15 VDC

C= 24 VAC ± 15% or 12 to 15 VDC

Count Inputs:

3 = Standard, 4-30 VDC simultaneous inputs.

3M = Mag. Input, Input A only, 30mV input .....add $ 61.00
(Input B, 4-30V)

3MB = Mag. Input, Inputs A & B, 30mV input .....add $ 61.00

Options

1= RS232 Communications .....add $ 132.00

2= RS422 Communications .....add $ 132.00

3= Modbus RTU RS232 .....add $ 163.00

4= Modbus RTU RS422/RS485 .....add $ 163.00

A= Analog Output (4-20/0-20 mA).....add $ 135.00

NOTE: RS232/RS422/RS485 & Analog Output options
can not be combined

Accessories

Separate non keyboard panel order #34235.....$ 37.00

Separate keyboard panel - order #34242.....$ 55.00

NEMA4 wall mount enclosure available, see LCN4X & MS821

Explosion proof enclosure available, see XHV

Serial printer available, see P1000, P295

Ethernet Port Server available, see IEPS

RS-422/485 to RS-232 Communication Adaptor available, see CA285

RoHS Compliant planned

Flow Computer Specials

The following specials are variations of our standard SUPERtrol-I and SUPERtrol-II products. These specials were designed for customers with unique applications. To order a special, refer to the ordering breakdown for the SUPERtro-I or SUPERtro-II. Replace the "ST1" or "ST2" portion of the order code with the proper "ES" or "MS" number.

The following specials are listed as follows:

MS716 = SUPERtrol-I with special vehicle mount

MS720 = SUPERtrol-I for thermal flowmeters

ES747 = SUPERtrol-I with Test Stand and Pulse Input

MS748 = SUPERtrol-II in Field Mount Case

ES749 = SUPERtrol-II for Utility Metering

ES759 = SUPERtrol-II for Utility Metering.
Special Feature: TOTAL button views Heating Total, GRAND button views Cooling Total

ES761 = SUPERtrol-II for Utility Metering

ES762 = SUPERtrol-II for Utility Metering with Auxiliary Inputs

SUPERtrol-I Specials

MS716

Example MS716 L 1 A 0 V ETMB Price

Series:
- **MS716 = ST1** Special $1618.00

Display Type:
- **L**= LCD
- O= OLED

Input Type:
- **1**= 110 VAC
- 2= 220 VAC
- 3= 12 VDC (10 to 14 VDC)
- 4= 24 VDC (14 to 28 VDC)

Relays:
- **A**= 2 SPDT Relays
- B= 4 SPDT Relays ..... (consult factory)

Network Card:
- **0**= None (STD)
- 2= RS485/Modbus .....add $ 218.00

Mounting:
- **V**= Vehical Mount, Skid Mount, Field Mount

Options:
- ET= Extended Temperature .....add $ 27.00
  -4°F to 131°F (-20°C to 55°C)
- UL= UL Class 1 Division 2 .....add $ 271.00
- MB= Aluminum Mounting Brackets (2) (Recommended)
- IM = IM-2400 Internal Modem .....$ 217.00
- IM-56K = 56K Internal Secure Modem .....$ 456.00
- M = Modem Power Option .....add $ 27.00
- TB= RS485 Terminal Block .....add $ 27.00
  for Panel Mount Enclosure

Accessories:

OPC/DDE Server for RS232 Port available, see EX5-UCOND-NA00
OPC/DDE Server for Modbus Suite available, see EX5-MDBUS-NA00
Modem Available, see MPP-2400 and MPP-2400N
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285
RS232 Extender Cable: P/N=13220-<length in inches> $39
Remote metering and data collection software available, see TROLlink

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

Flow Computer Specials

SUPERtrol-I Specials (continued)

MS720

Example MS720 L 1 A 0 P ET Price

Series:
- **MS720=** ST1 Special $967.00

Display Type:
- **L=** LCD
- O= OLED
- V= VFD ..... add $ 109.00

Input Type:
- **1=** 110 VAC
- 2= 220 VAC
- 3= 12 VDC (10 to 14 VDC)
- 4= 24 VDC (14 to 28 VDC)

Relays:
- **A=** 2 SPDT Relays
- B= 4 SPDT Relays ..... add $ 57.00

Network Card:
- **0=** None (STD)
- 2= RS485/Modbus ..... add $ 218.00

Mounting:
- **P=** Panel Mount
- * N= NEMA 4 Wall Mount (see MS811) ..... add $ 201.00
- * W= NEMA 12/13 Wall Mount w/ Clear Cover ..... add $ 227.00
- * E= Explosion Proof (No Button Access) ..... see XHVD

Options:
- ET= Extended Temperature ..... add $ 27.00
  -4°F to 131°F (-20°C to 55°C)
- IM = IM-2400 Internal Modem ..... $ 217.00
- IM-56K = 56K Internal Secure Modem ..... $ 456.00
- M = Modem Power Option ..... add $ 27.00
- TB= RS485 Terminal Block ..... add $ 27.00
  for Panel Mount Enclosure

Accessories:

OPC/DDE Server for RS232 Port available, see EX5-UCOND-NA00
OPC/DDE Server for Modbus Suite available, see EX5-MDBUS-NA00
Modem Available, see MPP-56KN, MPP-2400 and MPP-2400N
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285
RS232 Extender Cable: P/N=13220-<length in inches> $39
Remote metering and data collection software available, see TROLlink

RoHS Compliant planned

ES747

Example ES747 L 1 A 0 P ET Price

Series:
- **ES747=** ST1 Special $967.00

Display Type:
- **L=** LCD
- O= OLED
- V= VFD ..... add $ 109.00

Input Type:
- **1=** 110 VAC
- 2= 220 VAC
- 3= 12 VDC (10 to 14 VDC)
- 4= 24 VDC (14 to 28 VDC)

Relays:
- **A=** 2 SPDT Relays
- B= 4 SPDT Relays ..... add $ 57.00

Network Card:
- **0=** None (STD)
- 2= RS485/Modbus ..... add $ 218.00

Mounting:
- **P=** Panel Mount
- * N= NEMA 4 Wall Mount (see MS811) ..... add $ 201.00
- * W= NEMA 12/13 Wall Mount w/ Clear Cover ..... add $ 227.00
- * E= Explosion Proof (No Button Access) ..... see XHVD

Options:
- ET= Extended Temperature ..... add $ 27.00
  -4°F to 131°F (-20°C to 55°C)
- IM = IM-2400 Internal Modem ..... $ 217.00
- IM-56K = 56K Internal Secure Modem ..... $ 456.00
- M = Modem Power Option ..... add $ 27.00
- TB= RS485 Terminal Block ..... add $ 27.00
  for Panel Mount Enclosure

Accessories:

OPC/DDE Server for RS232 Port available, see EX5-UCOND-NA00
OPC/DDE Server for Modbus Suite available, see EX5-MDBUS-NA00
Modem Available, see MPP-56KN, MPP-2400 and MPP-2400N
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285
RS232 Extender Cable: P/N=13220-<length in inches> $39
Remote metering and data collection software available, see TROLlink

RoHS Compliant planned

* Limited Discount Applies

Flow Computer Specials

SUPERtrol-II Specials

MS748

Example MS748 L 1 0 P MB Price

Series:
- **MS748 = ST2** Special $1942.00

Display Type:
- **L**= LCD
- O= OLED
- V= VFD .....add $ 109.00

Input Type:
- **1**= 85 to 276 VAC
- 3= 24 VDC

Network Card:
- **0**= None
- 1= RS485/Modbus .....add $ 218.00

Mounting:
- **V**= Vehical Mount, Skid Mount, Field Mount

Options:
- 9 = 3 Relay Super Chip .....add $ 57.00
  (Includes: Peak Demand, AGA NX-19 calculation for natural gas, Stacked DP option, Datalogger option, Stack Emissions Controller option,Manifold Flowmeter Controller option)
- 10 = 2 Relay Super Chip .....add $ 57.00
  (Includes: Peak Demand, AGA NX-19 calculation for natural gas, Stacked DP option, Datalogger option, Stack Emissions Controller option,Manifold Flowmeter Controller option)
- 13 = Superchip; 2 relay, Positive heat only.....add $ 57.00
- 14 = Superchip; 3 relay, Positive heat only.....add $ 57.00
- 22 = Superchip; 2 relay, For use with 4 terminal multi-variable vortex meters .....add $ 57.00
- 26 = Superchip; 3 relay, For use with 4 terminal multi-variable vortex meters .....add $ 57.00
- TM = Trap monitor RS485 network card .....add $ 218.00
- IM = Internal Modem .....add $ 217.00
- IM-56K = 56K Internal Secure Modem .....add $ 456.00
- M = Modem Power Option .....add $27.00
- ET= Extended Temperature LCD Display .....add $27.00
- TB= RS485 Terminal Block for Panel Mount Enclosure .....add $27.00

Accessories:
ST2 SETUP PRO - Advanced setup software for ST2 family.....$515
OPC/DDE Server for RS232 Port available, see EX5-UCOND-NA00
OPC/DDE Server for Modbus Suite available, see EX5-MDBUS-NA00
Modem Available, see MPP-56KN, MPP-2400 and MPP-2400N
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285
RS232 Extender Cable: P/N=13220-<length in inches> $39
Remote metering and data collection software available, see TROLlink

RoHS Compliant planned

ES749

Example ES749 L 1 0 P TU Price

Series:
- **ES749ST2 = ST2** Special $1137.00

Display Type:
- **L**= LCD
- O= OLED
- V= VFD .....add $ 109.00

Input Type:
- **1**= 85 to 276 VAC
- 3= 24 VDC

Network Card:
- **0**= None
- 1= RS485/Modbus .....add $ 218.00

Mounting:
- **P**= Panel Mount
- * N= NEMA 4 Wall Mount (see MS811).....add $ 201.00
- * W= NEMA 12/13 Wall Mount w/ Clear Cover.....add $ 227.00
- * E= Explosion Proof (No Button Access).....see XHVD

Options:
- 9 = 3 Relay Super Chip .....add $ 57.00
  (Includes: Peak Demand, AGA NX-19 calculation for natural gas, Stacked DP option, Datalogger option, Stack Emissions Controller option,Manifold Flowmeter Controller option)
- 10 = 2 Relay Super Chip .....add $ 57.00
  (Includes: Peak Demand, AGA NX-19 calculation for natural gas, Stacked DP option, Datalogger option, Stack Emissions Controller option,Manifold Flowmeter Controller option)
- 13 = Superchip; 2 relay, Positive heat only.....add $ 57.00
- 14 = Superchip; 3 relay, Positive heat only.....add $ 57.00
- 22 = Superchip; 2 relay, For use with 4 terminal multi-variable vortex meters .....add $ 57.00
- 26 = Superchip; 3 relay, For use with 4 terminal multi-variable vortex meters .....add $ 57.00
- TM = Trap monitor RS485 network card .....add $ 218.00
- IM = Internal Modem .....add $ 217.00
- IM-56K = 56K Internal Secure Modem .....add $ 456.00
- M = Modem Power Option .....add $27.00
- ET= Extended Temperature LCD Display .....add $27.00
- TB= RS485 Terminal Block for Panel Mount Enclosure .....add $27.00

Accessories:
ST2 SETUP PRO - Advanced setup software for ST2 family.....$515
OPC/DDE Server for RS232 Port available, see EX5-UCOND-NA00
OPC/DDE Server for Modbus Suite available, see EX5-MDBUS-NA00
Modem Available, see MPP-56KN, MPP-2400 and MPP-2400N
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285
RS232 Extender Cable: P/N=13220-<length in inches> $39
Remote metering and data collection software available, see TROLlink

RoHS Compliant planned

* Limited Discount Applies

NOTE: A processing Fee is added to all orders.
$5.00 for orders under $500; $10.00 for orders over $500

NOTICE
TRUMETER ACQUIRES COUNTING & TIMING DIVISION OF KESSLER-ELLIS PRODUCTS

Acquisition
On December 8, 2015, Trumeter US, headquartered in Florida, announced the acquisition of the counting & timing division of Kessler-Ellis Products (KEP)

KEP will continue to supply its other range of diverse products to their customers as they have for over 50 years. KEP has grown into a full line manufacture of electronic and software instrumentation products including flow instrumentation and process indicators, PLC Operator Interfaces, and HMI Software Solutions. Headquartered in Eatontown, NJ, KEP has over 100 employees, with 200 worldwide distributors and factory representatives.

For More Information Contact:
sales.usa@trumeter.com
954.725.6699

Products Affected
130K-133K
134K-135K
136K
924K
B Series
BVA
E660/E760
EP770
H37
H57
HB26
HC77
HK07
HK17
HR47
HR76
HVA
K0 Series
K192
K198
KAL-DRT
KALDTime
KALtrol-SP
KE610
KT###
M Series
Micro Kal
Mini-Kal
MK16-18
W Series

Flow Computer Specials

SUPERtrol-II Specials

ES762

Ex: ES762ST2	L	1	1	P	13TB	Price

Series:
ES762ST2 = Utility Metering Flow Computer.....$ 1437.00

Display Type:
L= LCD
O= OLED
V= VFD .....add $ 109.00

Input Type:
1= 85 to 276 VAC
3= 24 VDC (16 to 48 VDC)

Network Card:
1= RS485/Modbus (standard)

Mounting:
P= Panel Mount
* N= NEMA 4 Wall Mount (see MS811) .....add $ 201.00
* W= NEMA 12/13 Wall Mount w/ Clear Cover.....add $ 227.00
* E= Explosion Proof (No Button Access).....see XHVD

Options:
13 = Superchip; 2 relay, Positive heat only (standard)
TB= RS485 Terminal Block standard for Panel Mount (P) and NEMA4 Wall (N) Mounting Styles

Accessories:
ST2 SETUP PRO - Advanced setup software for ST2 family.....$515
OPC/DDE Server for RS232 Port available, see EX5-UCOND-NA00
OPC/DDE Server for Modbus Suite available, see EX5-MDBUS-NA00
Modem Available, see MPP-56KN, MPP-2400 and MPP-2400N
Serial printer available, see P1000, P295
Ethernet Port Server available, see IEPS
RS-422/485 to RS-232 Communication Adaptor available, see CA285
RS232 Extender Cable: P/N=13220-<length in inches> .....$ 39.00
Remote metering and data collection software available, see TROLlink

* Limited Discount Applies

Service & Setup Fees

Service, Analysis, Upgrades & Setup

Service	Price
Calibration Fee	$50 typical
Certificates	Consult factory
Certified Installation drawings	Consult factory
Incoming Inspection Fee	$50
Modification Fee	$80 plus parts
Repairs	Consult factory
Restocking Fee	30% to original purchaser for new equipment
Setup Fee	Consult factory
MRT/INT69/BAT Series	$25 typical
ST1/ST1LE/ST2	$50 typical
Spare Parts	See Spare Parts section

Value Added Service from KEP Distributors

Some of KEP distributors offer expanded services to their customers that are priced separately such as:

- Instrument Setup
- On-Site Startup
- Field Repairs
- Re-Calibration

Consult your Regional Manager for Distributors in your area.

Limited Warranty

Electronic products manufactured by KEP carry a two (2) year warranty.

Many accessory items and limited discount items are only warranted by their original manufacturer warranty and not KEP.

We do not warranty batteries, fuses, and similar items.

We do not cover customer abuse (such as water damaged) from improper installation.

All returns must be accompanied by an RGA number obtained from KEP and shipment must be prepaid by sender. Warranty repaired goods will be returned to the customer with shipping paid for the lowest cost shipping carrier.

See warranty information in equipment user manual for more details.

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See Press Release

For More Information Contact:
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Products Affected

130K-133K
134K-135K
136K
924K
B Series
BVA
E660/E760
EP770
H37
H57
HB26
HC77
HK07
HK17
HR47
HR76
HVA
K0 Series
K192
K198
KAL-DRT
KALDTime
KALtrol-SP
KE610
KT###
M Series
Micro Kal
Mini-Kal
MK16-18
W Series