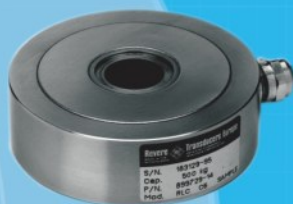


INSTROTECH PRODUCT CATALOG



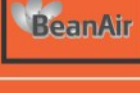
CALOG
INSTRUMENTS

6004 MF
WEIGHING TRANSMITTERS

inspecta FFT
TANK LEAK DETECTION SYSTEM

VISHAY
PRECISION
GROUP

SIKO



instrotech
INSTRUMENTATION AND PROCESS CONTROL

A Comtest Group Company

New from Instrotech

INSTROTECH - 6004MF II

The 6004LC, 6004BW and 6004MF (multi-functional) models use the latest ARM microprocessor technology to offer a range of powerful, compact, cost-effective field-mount units that can be used for a variety of weighing functions. The main advantage to the user, servicing organisation or marketing company is having one electronic unit that can be used for almost any application in the weighing industry.



FLUKE - 810

Control unplanned downtime, prevent recurring problems, set repair priorities and manage your resources with an entirely new approach to vibration testing. The new Fluke 810 helps you locate and diagnose common mechanical problems and prioritize repair actions with no prior machine history.



MICHELLE - MDM25

The MDM25 Portable RH Hygrometer is a handheld, battery-operated meter and is available with many different probe options. As this instrument shows temperature and relative humidity values, it is ideal for several testing and inspection applications. Probe options vary from fixed probes to 500mm remote probes.



SIKO - AH36M and AV58M

The new Siko AV58M and AH36M adapts to your application instead of you having to adapt your application to the encoder. This is a magnetic, absolute, programmable analog output encoder. The hollow shaft version (AH36M) and solid shaft version (AV58M) feature programmable outputs of 4-20mA or 0-10Vdc. The teach in function of these encoders is forging new paths in the encoder industry.



LEITENBERGER - LSP RANGE

The Leitenberger LSP range of comparison pumps are used for generating pressure for the testing, adjusting and calibrating of mechanical and electrical pressure measuring instruments by means of comparison measurement. These pressure tests can be carried out in laboratories, workshops or on site at the set measuring point.



BeanAir - mA SENSOR AN-420

The AN-420 is a wireless data acquisition sensor dedicated to 4-20mA current loop sensors. This is a 100% wireless device and the sensor power is provided by the BeanDevice. Excellent radio link budget due to the antenna diversity and a high power RF front-end, designed by BeanAir. Current consumption in idle mode is $<45\mu\text{A}$ whatever the sensor technology. The unit features 2 or 4 input channels with a measurement accuracy of $<0.08\%$. These units are entirely Plug and Play and require no knowledge of wireless technology.



BeanAir - TEMPERATURE / HUMIDITY SENSOR TH

The temperature / humidity sensor features a Pt1000 temperature sensor with a capacitive technology humidity sensor. Temperature measurement ranges of -25°C to $+85^{\circ}\text{C}$, and 0-100% RH Humidity range. Maximum radio range $\pm 1\text{km}$ L.O.S. The Embedded data logger can store up to 32 700 records and it is a entirely autonomous system with an integrated lithium battery charger.



BeanAir - TRI-AXIAL ACCELEROMETER WITH SMART SHOCK DETECTION

This wireless, tri-axial accelerometer has scalable measurement ranges of $\pm 6\text{g}$ / $\pm 12\text{g}$ / $\pm 24\text{g}$ or $\pm 2\text{g}$ / $\pm 4\text{g}$ / $\pm 8\text{g}$. Excellent radio links thanks to the antenna diversity by BeanAir. Current consumption during sleep mode is $<28\mu\text{A}$. The unit features an embedded data logger that logs up to 1 000 000 records. Entirely autonomous system with an integrated Lithium-Ion battery charger. Watertight aluminum enclosure IP66. Suitable for Harsh Industrial Environments.



BEANAIR GATEWAY WIRELESS SENSOR NETWORK CO-ORDINATOR

The BeanGateway® is used to build and manage BeanAir wireless sensor networks. It can manage queues for every BeanDevice®. As a gateway, it controls the external access to the network through a highly secured authentication procedure. It supports the conversion of data exchanged, compression and IP connectivity with the network thereby reducing the intelligence required in these platforms, maintenance and therefore the associated cost.

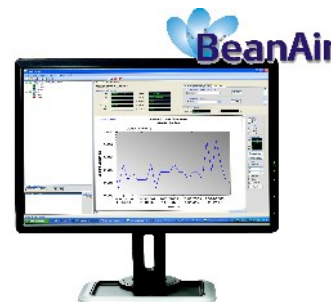
BeanGateway® is also equipped with various communication interfaces which are compatible with the customers IT infrastructure (RS-232, Ethernet - TCP / IP / UDP / DHCP / DNS). With a client application TCP / IP, it can easily connect to a local application server (via the Ethernet) or a distant application server (via GSM / GPRS).



New from Instrotech

BeanScape - SUPERVISORY AND CONTROL SOFTWARE

The BeanScape® is a real time WSN supervision and control monitor. It allows the users to monitor and operate in real time BeanAir® WSN. The BeanScape is also equipped with a smart expert system that allows users to interpret elements such as data acquisition or alarms related to the sensor network.



SENSOR TECHNOLOGY - WIRELESS LOADCELL

The wireless LoadSense Load Transducer is a strain gauge based stainless steel tension type sensor. It has the capability of wirelessly transmitting its data to one of our compatible readouts and displays or records locally.

Its built in 32 Mb memory can hold up to 149 hours of data which can then be downloaded to a PC via its USB cable. The LoadSensor transmits using worldwide licence free frequency of 2.4 Ghz on two built-in antennas.

The LoadSense Load Transducer is used with our HandHeld Receiver which can read several devices at the same time, and/or our stand alone Receiver Interface which is used to output the data via RS-232/RS-422.



SENSOR TECHNOLOGY - ROTARY TORQUE SENSOR

TorqSense Digital RWT310 and 320 series transducers with integral electronics now offer cost effective, non-contact digital rotary torque measurement, using Surface Acoustic Wave technology, suitable for torque monitoring, testing or controlling drive mechanisms. TorqSense RWT310 and 320 series transducers and their technology are particularly appropriate for OEM applications.



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PANEL MOUNT INDICATORS

MODEL NUMBER

4001	4-Digit Process/Counter/Frequency Indicator
5001	5½-Digit Process/Counter/Frequency Indicator
4015	4-Digit Dual Input Process Indicator
5015	5½-Digit Dual Input Process Indicator
5016	Two by 3 Digit Process Input Indicator
5600	6-Digit Process Indicator
8001	8-Digit Process/Counter/Frequency Indicator
4006	4-Digit High Voltage/High Current Indicator
5001-T	5½-Digit Process/Count/Freq with PROCESS TOTALISER/INTEGRATOR
8001-T	8-Digit Process TOTALISER/INTEGRATOR (Rate Display 5½-Digit)
4003	4-Digit Universal Temperature Indicator, Thermocouple/RTD Optional for Ni 100, Pt500 & Pt1000
4004	4-Digit Loadcell Indicator/Controller (Includes Option 3010 and 3014)
5004	5½-Digit Loadcell Indicator/Controller (Includes Option 3010 and 3014)
5012	5½-Digit Counter/Frequency/Rate/Event Timer/Totaliser Indicator
5012-C	5½-Digit Counter/Frequency/Rate/Event Timer/Totaliser CLOCK Indicator
5012-Q	5½-Digit Counter/Frequency/Rate/Event Timer/Totaliser QUADRATURE Indicator
5002	5½-Digit/Gray Code/Binary/ 6 Digit BCD Indicator
4011	4-Digit ASCII Bus Protocol Serial Bus Indicator
5011	5½-Digit ASCII Bus Protocol Serial Bus Indicator
5013	5½-Digit Digital Belt Weigher System
5014	5½-Digit Dynamometer System



DIMENSIONS: 48 x 96mm

PANEL CUTOUT: 45 x 92mm DEPTH: 140mm

OPTIONS FOR PANEL MOUNT INDICATORS

OPTIONS

3000	Lineariser /Squareroot/Log/S-Curve/16 Point
3001P/M	Dual Setpoints/Alarms (Photomos / Electromechanical)
3002	RS-485 Output
3003	0/4-20 mA/0-10 Vdc Retransmission -
3004P/M	1 Setpoint/Alarm (Photomos / Electromechanical)
3006	Fully Isolated V or I Output (add to 3003, 3002, 3013)
3008	Galvanic Isolated dc Power Supply (10 to 30 Vdc)
3009	Parallel BCD Output (Cannot be Used with 3017/3018)
3010	Switch Mode Power Supply (95 to 265V ac/dc)
3011	Ohms Tap Input
3012	Peak Hold (0.5 Seconds)
3013	RS-232 Output
3014	Auto Zero/Tare
3017P/M	3 Setpoints/Alarms (Photomos / Electromechanical)
3018P/M	4 Setpoints/Alarms (Photomos / Electromechanical)
3019	Green Display
3020	AlGaAs Ultra Bright Display
3021	Mains Frequency (50.00 Hz)4001 add
3022	Bar Graph Display (Vertical)
3023	Pulse Output for Totaliser 5013
3024	Auto Manual Station (include 3003)
3025	Key Pad Lock
3026	Display Hold
3028	Non-Isolated dc Power Supply (10-30V) not 4/5004
3029	Time and Date Stamp
3030	Low Voltage ac Frequency Input

Various fieldbus options available

INDICATOR HOUSING

MODEL	DESCRIPTION
ACC04	Table Top for One DPM
ACC05	Table Top for Two DPM
ACC06	IP65 Wall Mount Enclosure for One DPM + PCB
ACC07	Table Top for One DPM + Nicads + Charger



ACC06

REMOTE AND EXTRA LARGE DISPLAY

MODEL	DESCRIPTION
7544	5 Digit ASCII bus/DIG Bus, 45mm Display
7454	4 Digit ASCII bus/DIG Bus, 57mm Display
	Remote 7 Segment Display, Polycarbonate Housing : 225 x 162 x 65mm
2001	125mm Display only
1304	3 Digit 125mm LED ASCII bus/DIG Bus
1404	4 Digit 125mm LED ASCII bus/DIG Bus
	IP65 Metal Housing : 500 x 200 x 120mm
2304	3 Digit 125mm LED ASCII bus/DIG Bus
2404	4 Digit 125mm LED ASCII bus/DIG Bus
2504	5 Digit 125mm LED ASCII bus/DIG Bus
	IP65 Metal Housing : 600 x 300 x 120mm
2604	6 Digit 125mm LED ASCII bus/DIG Bus
	IP65 Metal Housing : 800 x 300 x 120mm



7454



2504

RADIO TRANSMITTER / RECEIVER

MODEL	DESCRIPTION
RAD100	Wireless Data Transmission from Panel Mount Indicator to Large Display
	RS-232 and RS-485 Available, 8-30 Vdc Supply, License Free
	Operation in 2.4 Ghz Band

TWO WIRE PROCESS TRANSMITTER

MODEL	DESCRIPTION
9300	Dual Alarm Transmitter Unit (Change Over Contacts)
9500	Two-Wire Transmitter, Inputs - Potentiometer/Volts/mA
9600-1	Single Input Loop Isolator 0-32 mA/0-32 mA
9600-2	Dual Input Loop Isolator 0-32 mA/0-32 mA



TEMPERATURE SWITCHES

MODEL	DESCRIPTION
SW-4	Temperature Switch 4-Way 3-Pole PT100/TC
SW-6	Temperature Switch 6-Way 2-Pole PT100/TC
SW-12	Temperature Switch 12-Way 1-Pole TC Only



DIGITAL PANEL INDICATORS

MODEL	DESCRIPTION
3505	3.5 Digit (1999) LCD, Loop Powered Process Indicator, Panel Mount (48 x 96), 4-20mA
3506	3.5 Digit (1999) LCD, Loop Powered Process Indicator, Field Mount 4-20 mA
1000	Pole Mount Bracket Kit
3508	3.5 Digit (1999) LED, 24 x 48 "Midget" Process Indicator, Supply 12V or 24Vdc Only (Isolated Supply Option 3008)
3510	3.5 Digit (1999) LED, 24 x 48 "Midget" Pt100 Indicator, Supply 12V or 24Vdc only (Isolated Supply Option 3008)
3511	3.5 Digit (1999) LED, 24 x 48 "Midget" Thermocouple Indicator Supply 12V or 24Vdc only (Isolated Supply Option 3008)

DIMENSIONS: 48 x 24mm

PANEL CUTOUT: 45 x 22mm

DEPTH: 130mm



FIELD MOUNT LOADCELL TRANSMITTER

MODEL	DESCRIPTION
6004LC	Loadcell Transmitter with 6 Digit LED Display and 4-Line LCD, Analogue Output, USB, SD Card and PI Control Supplied Standard
6004BW	Beltweigher Transmitter with 6 Digit LED Display and 4-Line LCD, Analogue Output, USB, SD Card, PI Control and Six Relays Supplied as Standard.
6004MF	Multi-Functional Weighing Instrument, 6 Digit LED Display and 4-Line LCD Analogue Output, USB, SD Card, PI Control and Six Relays Supplied as Standard.
Options	
3001MF	Dual Relay
3002MF	RS-485 Communication
3013MF	RS-232 Communication
3018MF	Four Relay
3030MF	Six Relay

Various fieldbus options available



APPLICATIONS

Loadcell Transmitter,
Batch Controller,
Bagfiller,
Loss-in-Weight Controller,
Dyno-Meter,
Through-Put Weigher.

PROGRAMMABLE PROCESS TRANSMITTERS

MODEL	DESCRIPTION
9000	DIN Rail Mount Programmable Process Transmitter, Isolated Supply/Input/Output Switch Mode Supply: 95-265V ac/dc, Inputs: mV, V, mA, J, K, N, S, R, T, W5, PT 100, Frequency, Output: 4 -20mA or 0-10 Vdc, RS-232 Communication Standard
9240	As above with 24 Vdc Supply (Isolated)
9004	DIN Rail Mount Loadcell Transmitter, Isolated Supply/Input/Output Switch Mode Supply: 95-265V ac/dc, Input: Maximum of 4 Loadcells Output: 4-20 mA or 0-10 Vdc, RS-232 Communication Standard
9244	As above with 24 Vdc Supply (Isolated)
9006	DIN Rail Mount High Current/Voltage Transmitter, Isolated Supply/Input/Output Switch Mode Supply: 95-265V ac/dc, Input: Maximum 5A AC or 400 Vac Output: 4-20 mA or 0-10 Vdc, RS-232 Communication Standard
Options	
3001PD	Dual Alarm Option (Photomos SPNO)
3002PD	RS-485 Communication (Replaces RS 232)
3004PD	Single Alarm Option (Photomos SPNO)



All Units Set via RS-232 Port. Software and Cable Supplied at no Extra Charge

PLATFORM LOAD CELLS

MODEL	DESCRIPTION
HPS-xx	Stainless Steel, Hermetically Sealed (IP68), Capacity : 6kg, 12kg, 30kg, 60kg Class : C3 Atex Certification Available



APPLICATIONS

Platform Scales
Packaging Machines
Marine Hybrid Scales

642-xx	Anodise Aluminum Alloy (IP66) Capacity : 5kg, 10kg, 20kg, 50kg, 75kg, 100kg Class : C3
652-xx	Anodise Aluminum Alloy (IP66) Capacity : 50kg, 75kg, 100kg, 150kg, 200kg, 250kg, 300kg, 500kg, 1000kg, Class : C3



APPLICATIONS

Platform Scales
Packaging Machines
Check Weighers

UNIVERSAL S TYPE LOAD CELLS

MODEL	DESCRIPTION
9363-xx	Stainless Steel (IP67) Capacity : 50kg, 100kg, 250kg, 500kg, 1000kg, 2500kg, 5000kg, 7500kg, 10 000kg. Class : C3
363-xx	Nickel Plated (IP65) Capacity : 50kg, 100kg, 250kg, 500kg, 1000kg, 2500kg, 5000kg. Class : C3



APPLICATIONS

Force Measurement
Suspended Hoppers

RING TORSION LOAD CELL

MODEL	DESCRIPTION
RLC-xx	Stainless Steel, Hermetically Sealed (IP68), Low Profile, Ring Torsion Construction Capacity : 0.25t, 0.5t, 1.0t, 2.0t, 3.5t, 5.0t, 10.0t, 28.0t Class : C3 Atex Certification Available



ACCESSORIES

MNTRLC-xx	RLC Mounting Assemblies for 0.25 ton to 5 ton, Material: Stainless Steel 304
MNTRLC-xx	RLC Mounting Assemblies for 10 ton, Material: Stainless Steel 304
RLCFT-xx	Self Aligning Foot for 0.25 ton to 1 ton
RLCFT-xx	Self Aligning Foot for 2 ton to 5 ton
RLCFT-xx	Self Aligning Foot for 10 ton

APPLICATIONS

Silo
Hopper
Tank Weighing
Beltweigher

SINGLE ENDED BEAM LOAD CELLS

MODEL	DESCRIPTION
SHBXR-xx	Stainless Steel, Hermetically Sealed (IP68),
	Capacity : 5kg, 10kg, 20kg, 50kg, 100kg, 200kg, 350kg
	Class : C3
	Atex Certification Available



ACCESSORIES

MNTSHBxR-xx	20 to 350kg Mounting Kit Stainless Steel,
	Including Base, Mounting Bolts and Flanges
MNTSHBxR-xx	20 to 350kg Mounting Kit 3CR12,
	Including Base, Mounting Bolts and Flanges

APPLICATIONS

Platform Scales
Packaging Machines
Silo and Hopper
Weighing

ACB-xx	Stainless Steel, Hermetically Sealed (IP68), Low Profile Construction
	Capacity : 0.5t, 1.00t, 2.00t, 5.00t
	Class : C3



ACCESSORIES

MNTACB-xx	0.5 ton to 2 ton and 5ton SS Mounting Kit
MNTACB-xx	0.5 ton to 2 ton and 5ton 3CR12 Mounting Kit
ACBFT-xx	Stainless Steel Alignment Foot

APPLICATIONS

Platform Scales
Silo and Hopper
Weighing

SSB-xx	Stainless Steel, Hermetically Sealed (IP68)
	Capacity : 0.5t, 1.0t, 2.0t, 5.0t, 10.0t,
	Class : C3
	Atex Certification Available



ACCESSORIES

MNTSHB-xx	0.5 ton to 2 ton Mounting Kit, including Base, Mounting Bolts and Flanges SS
MNTSHB-xx	5 ton Mounting Kit, including Base, Mounting Bolts and Flanges SS
MNTSHB-xx	0.5 ton to 2 ton Mounting Kit, including Base, Mounting Bolts and Flanges 3CR12
MNTSHB-xx	5 ton Mounting Kit, including Base, Mounting Bolts and Flanges 3CR12

APPLICATIONS

Platform Scales
Pulley Scales
Overhead Track Scales
Silo and Hopper
Weighing

EXTENSOMETER

MODEL	DESCRIPTION
178	Alloy Steel Construction, Hermetically Sealed (IP66)

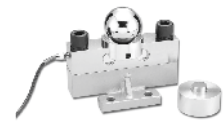


APPLICATIONS

Force Measurement on
any load bearing
structure.
Level Monitoring

MINIATURE DOUBLE ENDED BEAM LOAD CELL

MODEL	DESCRIPTION
MDB-xx	Nickel Plated Alloy Steel, Hermetically Sealed (IP65)
	Capacity : 10t, 20t, 25t, 30t, 40t, 50t
	Class : C3
	Mounting Assembly Included



APPLICATIONS

Track and Rail Scales
Silo, Hopper and Tank
Weighing

DOUBLE ENDED SHEAR BEAM LOAD CELLS

MODEL	DESCRIPTION
5103-xx	Nickel Plated Alloy Steel, Hermetically Sealed (IP67), Low Profile Construction
	Capacity : 5k, 10k, 20k, 30k, 40k, 50k, 60k, 100k, 150k, 200k, 250k
	Class : D3
	Atex Certification Available
9103-xx	Stainless Steel, Hermetically Sealed (IP67), Low Profile Construction
	Capacity : 5k, 10k, 20k, 30k, 40k, 50k, 60k, 100k, 150k, 200k, 250k
	Class : D3
	Atex Certification Available



APPLICATIONS

Platform Scales
Weighbridges
Silo and Hopper Weighing

ACCESSORIES

MNT5103-xx	5103 Mounting Kit Stainless Steel 304
MNT5103-xx	5103 Mounting Kit Stainless Steel 3CR12

COMPRESSION LOAD CELLS

MODEL	DESCRIPTION
CSPM-xx	Stainless Steel, Hermetically Sealed (IP68), Low Profile, Multi Column Construction
	Capacity : 10t, 25t, 40t, 60t, 100t
	Class : C3
	Atex Certification Available



ACCESSORIES

MNTCSPM-xx	10 ton to 25 ton Mounting Kit Stainless Steel
MNTCSPM-xx	40 ton to 60 ton Mounting Kit Stainless Steel
MNTCSPM-xx	10 ton to 25 ton Mounting Kit 3CR12
MNTCSPM-xx	40 ton to 60 ton Mounting Kit 3CR12

APPLICATIONS

Weighbridges
Silo and Hopper Weighing

COMPRESSION LOAD CELLS

MODEL	DESCRIPTION
ASC-xx	Stainless Steel, Hermetically Sealed (IP68), Self Aligning, Single Column Construction
	Capacity : 30t, 40t, 50t
	Class : C3, C6 (0.012% Accuracy)



APPLICATIONS

Weighbridges
Silo and Hopper Weighing

COMPRESSION LOAD CELLS

MODEL	DESCRIPTION
KSR-xx	Stainless Steel, Sealed Diaphragm (IP66), Low Profile, Single Column Construction
	Capacity : 6t, 13t, 28t, 60t, 130t, 280t
	Class : R1



APPLICATIONS

Vessel Weighing
High Capacity Platform
Scales

DIGITAL COMPRESSION LOAD CELLS

MODEL	DESCRIPTION
SCC-xx	Stainless Steel, Hermetically Sealed (IP68), Low Profile, Multi Column Construction
	RS-485/422 Full Duplex, Asynchronous Serial Transmission
	Capacity : 10t, 25t, 40t, 60t, 100t
	Class : C3,



APPLICATIONS

Weighbridges
Silo and Hopper Weighing

ACCESSORIES

MNTSCC-xx	10 ton to 25 ton Mounting Kit Stainless Steel
MNTSCC-xx	40 ton to 60 ton Mounting Kit Stainless Steel
MNTSCC-xx	10 ton to 25 ton Mounting Kit 3CR12
MNTSCC-xx	40 ton to 60 ton Mounting Kit 3CR12

DIGITAL BEAM LOAD CELLS

MODEL	DESCRIPTION
SBC-xx	Stainless Steel, Hermetically Sealed (IP68),
	RS-485/422 Full Duplex, Asynchronous Serial Transmission
	Capacity : 0.5t, 1t, 2t, 5t, 10t
	Class : C3,



APPLICATIONS

Platform Scales
Pallet Scales
Overhead Track Scales
Silo and Hopper Weighing

ACCESSORIES

MNTSBC-xx	0.5 to 2 ton Mounting Kit, Incl base, mounting bolts and flangest SS
MNTSBC-xx	5 to 10 ton Mounting Kit, Incl base, mounting bolts and flangest SS
MNTSBC-xx	0.5 to 2 ton Mounting Kit, Incl base, mounting bolts and flangest 3CR12
MNTSBC-xx	5 to 10 ton Mounting Kit, Incl base, mounting bolts and flangest 3CR12

LOAD CELL JUNCTION BOXES

MODEL	DESCRIPTION
JB3	Junction Box for 3 Loadcells
JB4	Junction Box for 4 Loadcells



SHAFT ENCODERS - LIGHT DUTY PLASTIC (220 IMP/REV MAX)

MODEL	DESCRIPTION
IG06-AXX-xx	Hollow Shaft Encoder, Single Channel
IG06-ABX-xx	Hollow Shaft Encoder, Dual Channel
IG06-ABO-xx	Hollow Shaft Encoder, Dual Channel and Zero Ref.
IG16-AXX-xx	Solid Shaft Encoder, Single Channel
IG16-ABX-xx	Solid Shaft Encoder, Dual Channel
IG16-ABO-xx	Solid Shaft Encoder, Dual Channel and Zero Ref.



ACCESSORIES

IG06-M2-xx	M2 Mounting Flange
IG06-HR-xx	Bearings for High REVS, (15mm Hollow Shaft)

SHAFT ENCODERS - HEAVY DUTY ALUMINIUM (1024 IMP/REV MAX)

MODEL	DESCRIPTION
IG07-AXX-xx	Hollow Shaft Encoder, Single Channel
IG07-ABX-xx	Hollow Shaft Encoder, Dual Channel
IG07-ABO-xx	Hollow Shaft Encoder, Dual Channel and Zero Ref.
IG17-AXX-xx	Solid Shaft Encoder, Single Channel
IG17-ABX-xx	Solid Shaft Encoder, Dual Channel
IG17-ABO-xx	Solid Shaft Encoder, Dual Channel and Zero Ref.



ACCESSORIES

IG07-M4-xx	M4 Mounting Flange
IG17-MR01	Measuring Wheel

SHAFT ENCODERS - ROTA MAG - MAGNETIC DISK SHAFT ENCODERS

MODEL	DESCRIPTION
IG07M-xx	Hollow Shaft ROTA MAG Encoder
IV58M-xx	Solid Shaft ROTA MAG Encoder



SHAFT ENCODERS - ABSOLUTE/PROFIBUS SHAFT ENCODERS

MODEL	DESCRIPTION
WK02/1-xx	Hollow Shaft Single Turn
WK50/1-xx	Hollow Shaft Multi Turn



SHAFT ENCODERS - ABSOLUTE PROGRAMMABLE OUTPUT

MODEL	DESCRIPTION
AV58M-xx	Solid Shaft, Analogue Output, Multi Turn
AH36M-M-xx	Hollow Shaft, Analogue Output, Multi Turn
AH36M-S-xx	Hollow Shaft, Analogue Output, Single Turn

NEW



MAGSCALE ELECTRONIC RULER

MODEL	DESCRIPTION
MA508/4/3/1-xx	Panel Mount Design, Internal and External Sensors Available, Sensor Cable Length Maximum 2m
MB500-xx	Magnetic Tape (per meter)



INDUSTRIAL DRAW WIRE TRANSDUCERS

MODEL	DESCRIPTION
SGP/1-POT-xx	1000 up to 6000mm Potentiometer Output
SGP/1-MWI-xx	1000 up to 6000mm 4-20 mA Output
SG60-IV58M-xx	1000 up to 6000mm Incremental Encoder Output
SG60-WV58M-xx	1000 up to 6000mm Absolute Encoder Output
SG120-IV58M-xx	3000 up to 12000mm Incremental Encoder Output
SG120-WV58M-xx	3000 up to 12000mm Absolute Encoder Output



Cable Replacement for SGP/1 and SG60

SGP/1-CABLE-xx	1000 up to 6000mm Stainless Cable and Mounting Plate
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MINIATURE DRAW WIRE TRANSDUCERS

MODEL	DESCRIPTION
SG5-xx	600mm Potentiometer Output
SG5-MWI-xx	600mm 4-20 mA Output
SG10-POT-xx	500/1000mm Potentiometer Output
SG10-MWI-xx	500/1000mm 4-20 mA Output
SG10-IV28M/1-xx	2000mm Incremental Encoder Output



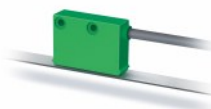
MAGNETIC LENGTH MEASUREMENT - 10um ACCURACY

MODEL	DESCRIPTION
	MAGLine Length Measurement, Supply: 24 Vdc / 110 Vac / 220 Vac
	Resolution: 0.001mm with Display
MS100/1	Magnetic Sensor
MB100-xx	Magnetic Tape (per meter)
MA100/2-xx	Display



MAGNETIC LENGTH MEASUREMENT - 50um ACCURACY

MODEL	DESCRIPTION
	MAGLine Length Measurement, Supply: 5 Vdc / 12-30Vdc
	Output: PP/TTL/LD/ABI/ABR, Resolution: 0.025mm
MSK210-xx	Magnetic Sensor
MB200-xx	Magnetic Tape (per meter)



MAGNETIC LENGTH MEASUREMENT - 1mm ACCURACY

MODEL	DESCRIPTION
	MAGLine Length Measurement, Supply: 24 Vdc
	Output: PP/AB, Resolution: 1.0mm
MSK400/1	Magnetic Sensor
MB400-xx	Magnetic Tape (per meter)



GEARED POTENTIOMETERS - - LIGHT DUTY RATIOS 0.25 TO 550:1

MODEL	DESCRIPTION
GP03/1-POT-xx	Potentiometer Output, solid shaft
GP03/1-MWI-xx	4-20 mA Output, solid shaft
GP43-POT-xx	Potentiometer Output with Three CAM Switches, solid shaft
GP43-MWI-xx	4-20 mA Output with Three CAM Switches, solid shaft



GEARED POTENTIOMETERS - HEAVY DUTY RATIOS 0.25 TO 550:1

MODEL	DESCRIPTION
GP04/1-POT-xx	Potentiometer Output
GP04/1-MWI-xx	4-20 mA Output
GP44-POT-xx	Potentiometer Output with Three CAM Switches.
GP44-MWI-xx	4-20 mA Output with Three CAM Switches

All the above are available in solid and hollow shaft



COMPACT GEARED POTENTIOMETERS - IP52

MODEL	DESCRIPTION
GP09-POT-xx	Potentiometer Output
GP09-MWI-xx	4-20 mA Output

All the above are available with optional IP68 protection



POSITION INDICATORS

MODEL	DESCRIPTION
DA04-xx	High Impact Polamide Housing, Hollow Shaft, 4 Digit Display,
DA09S-xx	Plastic Dust Proof Housing, Hollow Shaft, 5 Digit Display



POSITION INDICATORS - LCD DISPLAY (PC PROGRAMMABLE)

MODEL	DESCRIPTION
DE04-xx	Plastic Housing, Hollow Shaft, 5 Digit LCD Display.
DE10-xx	Glass Fiber Reinforced Plastic, Hollow Shaft, 5 Digit LCD Display.
DE-PRO-TOOL	Programming software



ULTRA SONIC DISTANCE / LEVEL MEASUREMENT (PC PROGRAMMABLE)

MODEL	DESCRIPTION
	Waterproof, Dual Output, Push Button Teachable and PC Configurable Level/Distance Transmitter, 15-30 Vdc, IP68
	Outputs : Programmable mA/V/PNP or NPN Switch/RS-232/RS-485
TSPC-30S1-xx	Serial RS-232 / 485 Interface, range : 120mm up to 4m
TSPC-15S1-xx	Serial RS-232 / 485 Interface, range : 254 up to 9m
TSPC-21S1-xx	Serial RS-232 / 485 Interface, range : 305mm up to 15m
SENIXVIEW	RS-232 programing software kit
SENIXVIEW-USB	USB programing software kit



CHEMICALLY RESISTANT ULTRASONIC LEVEL SWITCH / TRANSMITTER

MODEL	DESCRIPTION
	Chemically resistant, waterproof, dual outputs, PC configurable level transmitter
	Outputs : Programmable mA / V / PNP or NPN Switch / RS-232 / RS-485
LVL-100-xx	Serial RS-232 / 485 interface, max range 3m
LVL-300-xx	Serial RS-232 / 485 interface, max range 6m
LVL-500-xx	Serial RS-232 / 485 interface, max range 10m
SENIXVIEW	RS-232 programing software kit
SENIXVIEW-USB	USB programing software kit



www.senix.com

DIGITAL TACHOMETER

MODEL	DESCRIPTION
TACH20	Hand Held Digital Tachometer, Ideal for Beltweigher Speed Measurement
	Measurement of Rotational and Surface Speed in m/min, ft/min and in/min
	Measurement of Length in m, ft and inch
	Display Last, Maximun and Minimuin Value
	Optical (Non-Contact) or Mechanical Measurement



www.amprobe.de

MULTI FUNCTION PROCESS CALIBRATOR

MODEL	DESCRIPTION
FLUKE725	Measure V / mA / RTD / TC / Frequency,
	Source/Simulate V / mA / TC / RTD / Frequency
	Split Display for Simultaneous Measure and Source
	Includes Test Leads, Test Clips and User Manual on CD-rom



INTRINSICALLY SAFE MULTI FUNCTION PROCESS CALIBRATOR

MODEL	DESCRIPTION
FLUKE725Ex	Measure V / mA / RTD / TC / Frequency
	Source / Simulate V / mA / TC / RTD / Frequency
	Split Display for Simultaneous Measure and Source
	Includes Test Leads, Test Clips and User Manual on CD-Rom



www.fluke.com

WWW.INSTROTECH.CO.ZA

mA LOOP CALIBRATOR

MODEL	DESCRIPTION
CALOG-LOOP II	Measure, Source or Simulate mA, Including Tx Exc
	Measure Volts and Continuity, Datalogging via SD Card and USB Port
	Comes Standard with Li-ion batteries, Trend Display



TEMPERATURE CALIBRATOR

MODEL	DESCRIPTION
CALOG-TEMP	Measure or Source RTD / TC / mV / ohms / mA
	Simultaneous mA Measure and Sourcing of RTD, TC, mV or Ohms
	Datalogging via SD Card and USB Port, Includes Tx Exc
	Comes Standard with Li-ion batteries, Trend Display



LOADCELL CALIBRATORS

MODEL	DESCRIPTION
CALOG-LC II	Full Loadcell Tester / Simulator / Insulation Tester (50Vdc)
	Measure mA / Volts / mV / Zero Balance, Source mA
	Comes Standard with Li-ion Batteries
	Loadcell Display for Handheld Weight Indication
	Datalogging via SD Card and USB Port



LOADCELL DISPLAY CALIBRATORS

MODEL	DESCRIPTION
CALOG-LCDISPLAY	Handheld weight indication
	Comes Standard with Li-ion Batteries
	Datalogging via SD Card and USB Port

NEW



PRESSURE CALIBRATOR

MODEL	DESCRIPTION
CALOG-PRESS II	Pressure Calibrator that includes a Pressure Tx
	Measure, Source or Simulate mA, Including Tx Exc
	Measure Volts and Continuity. Trend Display , Measure Pressure Using
	Digital Transmitter, Datalogging via SD Card and USB Port, Comes
	Standard with Li-ion Batteries
	Additional sensors (Keller Series PA-33X)
	Sensor Ranges: -1 to 1 bar, 0 to 1 bar, 0 to 3 bar, 0 to 10 bar,
	0 to 30 bar, 0 to 100 bar, 0 to 300 bar, 0 to 700 bar



PRESSURE TRANSMITTER - LOW COST

MODEL	DESCRIPTION
21Y-xxx	Ranges from 1 bar to 1000 bar, includes MPM plug
	Output of 4-20 mA, G1/4" male connection



PRESSURE TRANSMITTER - LOW RANGE

MODEL	DESCRIPTION
41X-xxx	Ranges from 10 mbar up to 1000 mbar, includes binder plug
	Output of 4-20 mA, G1/4" male connection
	Gauge pressure or differential pressure



PRESSURE TRANSMITTERS - DIGITAL HIGH ACCURACY

MODEL	DESCRIPTION
	High accuracy digital and analogue output transmitter,
33X-xxx	Ranges from 1 bar up to 300 bar
35X-xxx	Outputs of 4-20 mA and RS-485
	33x : connection G1/4" Male, 35X : connection G1/4" flush diaphragm
	Absolute Zero Vacuum or Gauge pressure versions available



PRESSURE DISPLAY - DIGITAL

MODEL	DESCRIPTION
LEO2 / 3 - xxx	Digital pressure display, connection of G1/4" male
	Ranges -1 to 700 bar, accuracy of 0.1%
	Intrinsically safe version and protective rubber boot available on request
	LEO 3 has a 4-20 mA loop output



PRESSURE DISPLAY - DIGITAL DATA LOGGING

MODEL	DESCRIPTION
LEO-RECORD - xxx	Digital data logging pressure gauge, connection of G1/4" male
	Ranges -1 to 1000 bar
	Intrinsically safe version, protective rubber boot and K104-A Cable with
	Windows programmable software available on request at a charge



PRESSURE DISPLAY - DIGITAL WITH SWITCH OUTPUT

MODEL	DESCRIPTION
dV2-PS - xxx	Digital pressure gauge with two switch outputs, connection of G1/4" male
	Ranges -1 to 700 bar,
	Protective rubber boot and K104-A Cable with Windows software available
	on request at a charge



SUBMERSIBLE DATA LOGGER / TRANSMITTER

MODEL	DESCRIPTION
DCX22- xxx	Data logger with cable and software Ranges 1up to 100 bar,
GSM-2- xxx	Submersible Data level transmitter, battery powered Data transmitted via e-mail or SMS Includes logger, transmitter (36x) and software



PRESSURE TRANSMITTER - SUBMERSIBLE

MODEL	DESCRIPTION
26Y- xxx	Piezoresistive level transmitter, 5m Cable Standard, alternative lengths available Ranges 0.2 up to 10 bar



PRESSURE TRANSMITTER - SUBMERSIBLE

MODEL	DESCRIPTION
46X- xxx	Capacitive low pressure level transmitter 5m Cable Standard, alternative lengths available Ranges 30 up to 300 mbar Intrinsically safe version available on request



www.keller-druck.ch

ELECTRONIC PRESSURE SWITCH / TRANSMITTER

MODEL	DESCRIPTION
PDD-xx	LED digital display or LED trend display Material : Stainless steel Range : -1 to 400 bar Output : PNP (NO / NC)
PDA-xx	LED digital display or LED trend display Material : Stainless steel Range : -1 to 400 bar Output : 4-20 mA



DIFFERENTIAL PRESSURE TRANSMITTER

MODEL	DESCRIPTION
PAD-xx	Material : Stainless steel / monel / tantalum / hastelloy Range : +0.0075 to 41370 kPa Connection : 1/4, 1/2 "NPT Output : 4-20 mA, pulse, HART protocol



NEW

PRESSURE TRANSMITTER

MODEL	DESCRIPTION
PAS-xx	Material : Stainless steel / Hastelloy-C / tantalum
	Range : -1-1.5 bar to 0-600 bar
	Maximum Temperature / Pressure : 120°C / 16 bar
	Connection : 1/4", 1/2"NPT
	Output : 4-20 mA, HART
	Atex Certification Available


NEW

INFRARED THERMOMETER

MODEL	DESCRIPTION
TIR-SA-J	Non contact temperature measurement for fixed installations
	Range 0-100°C / 0-300°C / 100-500°C
	Output type J
	Higher temperature and analogue outputs also available



MASS FLOW METER - CORIOLIS

MODEL	DESCRIPTION
TME/UMC-3	Material : Stainless steel
	Range : 0-60 kg/h to 0-60 000 kg/h
	Maximum Temperature / Pressure : 180°C / PN40
	Connections : Flange DN10 to 80 / ANSI 1/2" to 3"
	Output : Various fieldbus options
TMU/UMC-3	Material : Stainless steel
	Range : 0-60 kg/h to 0-2 200 000 kg/h
	Maximum Temperature / Pressure : 260°C / PN40
	Connections : Flange DN10 to 300 / ANSI 1/2" to 12"
	Output : Various fieldbus options
TMU-AC	Material : Stainless steel / Hastelloy
	Range : 0-60 kg/h to 0-1 900 000 kg/h
	Maximum Temperature / Pressure : 260°C / PN40
	Connections : Flange DN10 to 300 / ANSI 1/2" to 12"
	Output : Various fieldbus options
TM/UMC-3	Material : Stainless steel / Hastelloy / Monel / Tantalum / Nickel
	Range : 0-0.8 kg/h to 0-65 000 kg/h
	Maximum Temperature / Pressure : 260°C / PN40
	Connections : Flange DN10 to 100 / ANSI 1/2" to 4"
	Output : Various fieldbus options
TMR/UMC-4	Material : Stainless steel / Hastelloy / Monel / Tantalum / Zirconium
	Range : 0-120 kg/h to 120 000 kg/h
	Maximum Temperature / Pressure : 260°C / PN40
	Connections : Flange DN20 to 100 / ANSI 3/4" to 4"
	Output : Various fieldbus options


NEW

FLOW SWITCH

MODEL	DESCRIPTION
PPS-xxx	Paddle type flow switch with adjustable paddle
	Range 18 - 36 / 72 - 108 l/min water
	Connection G1"
	Output reed contact (NO/NC)



FLOW METERS / SWITCHES

MODEL	DESCRIPTION
KAL-K-xxx	Calorimetric flow meter, Output PNP/NPN switch, IP65, plastic housing
	Range : 4 cm/s to 200 cm/s
KAL-A-xxx	Calorimetric flow meter, Output 4-20 mA, IP65
	Range : 4 cm/s to 200 cm/s
KAL-D-xxx	Calorimetric flow meter, output PNP/NPN switch, IP65, stainless steel Housing,
	Range : 0.04 m/s to 2 cm/s



ROTAMETERS / FLOW METERS

MODEL	DESCRIPTION
KFR-xxx	Rotameters for liquid and gases
	Range : Water : 5 to 75 l/min
	Air : 0.05 up to 6000 l/min
	Connections : 1/8" NPT to 1" NPT female thread
KSM-xxx	Rotameters for liquid and gases, output contacts
	Range : Water : 15 to 760 000 l/h
	Air : 0.8 up to 2500 m³n/Hl/min
	Connections : G1/2", G1 1/4", G1 1/2", "G2", G21/2", Screw and glue fittings



ROTATING VANE FLOW METERS

MODEL	DESCRIPTION
DPL-xxx	Material : Polypropylene material
	Range : 0.02-0.5 to 1-25 l/min
	Maximum Temperature / Pressure : 70°C / 10 bar
	Connections : G1/2" male, hose connector
	Output: Pulse, 4-20 mA



ROTATING VANE FLOW METERS

MODEL	DESCRIPTION
DRG-xxx	Material : Polypropylene / aluminum bronze / stainless steel
	Range : 0.5-12 to 10-140 l/min
	Maximum Temperature / Pressure : 80°C / 40 bar
	Connections : G1/8", 1/4", 1/2", 3/4", 1" female thread
	1/8", 1/4", 1/2", 3/4", 1" NPT female thread
	Output: Pulse, 4-20 mA, LED display, pointer indication



ROTATING VANE FLOW METERS

MODEL	DESCRIPTION
DRB-xxx	Material : Aluminium bronze / stainless steel
	Range : 5-30 to 50-750 l/min
	Maximum Temperature / Pressure : 80°C / 16 bar
	Connections : G1/2" to G3 female thread, 1/2"NPT to 3" NPT
	Output: Pulse, 4-20mA, LED display, contacts



VISCOSITY COMPENSATED FLOW METERS

MODEL	DESCRIPTION
VKG-xxx	Material : Stainless steel / brass
	Range : 0.1-0.45 l/min to 5-80 l/min oil
	Maximum Temperature / Pressure : 100°C / 12 bar
	Connections : G1/4" to 1, 1/4 to 1NPT
	Output : Reed contact / Analogue


NEW

ELECTROMAGNETIC FLOW METER - INSERTION

MODEL	DESCRIPTION
PIT-xxx	Material : Stainless steel (PTFE or PFA lining)
	Range : 0 to 10 m/sec water
	Maximum Temperature / Pressure : 150°C / PN40
	Connections : Flange DN40 to 80, ANSI 2" to 3"
	Output : Relay / Analogue / Pulse / Digital display


NEW

ELECTROMAGNETIC FLOW METER - INLINE

MODEL	DESCRIPTION
DMH-xxx	Lining material : Hard or soft rubber / wagunit / PTFE
	Range : 0-1 m³/hr to 0-10 177 m³/hr water
	Maximum Temperature / Pressure : 150°C / PN40
	Connections : Flange DN10 to 600, ANSI 1/2" to 24"
	Output : Pulse / Analogue / Status display / Totalizer / Hart


NEW

VORTEX FLOW METER

MODEL	DESCRIPTION
DVH-xxx	Material : Stainless steel / mild steel / hastelloy
	Range : 3-28 m³N/hr to 549-9 034 m³N/hr air
	0.2-5 m³/hr to 549-9 034 m³/hr liquid
	Maximum Temperature / Pressure : 400°C / PN64
	Flange DN10 to 300 / ANSI 1/2" to 12"
	Output : Analogue / Contacts / Digital display


NEW

MASS FLOW METER - THERMAL

MODEL	DESCRIPTION
DMW-xxx	Material : Stainless steel / aluminum
	Range : 5-100 mLN/min to 380-7 500LN/min air
	Maximum Temperature / Pressure : 50°C / 10 bar
	Connections : G1/4 to 1 female thread
	Output : Analogue / Digital display / Totalizer


NEW

MASS FLOW METER - THERMAL (FOR COMPRESSED AIR AND GAS)

MODEL	DESCRIPTION
KMT-xxx	Material : Stainless steel / Ball valve brass
	Measuring Ranges : 0.32-0.65 Nm ³ /h to 78-57840 Nm ³ /h air
	Maximum Temperature / Pressure : 80°C / 16 bar
	Connection : G1/2 to G2 with ball valve / 1/2 to 2NPT with ball valve
	R1/2 screw-in version for DN65 to DN300
	Output : 2 x Analogue / Switch / Pulse programmable


NEW
FLOW METER AND COUNTER - FULL METAL VARIABLE AREA

MODEL	DESCRIPTION
BGN-xxx	Material : Stainless steel
	Range : 0.5-5 L/h to 13 000-130 000 L/h water
	0.015-0.15 m ³ /h to 240-2 400 m ³ /h air
	Maximum Temperature / Pressure : 350°C / PN40
	Connections : Flange DN15 to Dn150 / ANSI 3/4" to 6"
	Output : Contact / Analogue / Totalizer / Hart / Profibus PA
	ATEX certification available


NEW
FLOW METERS - GEAR WHEEL (FOR VISCOUS LIQUIDS)

MODEL	DESCRIPTION
DZR-xxx	Material : Cast iron / stainless steel
	Range : 0.008-2 to 3-700 L/min oil
	Maximum Temperature / Pressure : 150°C / 400 bar
	Connections : G3/8" to 1" female
	Output : Pulse
KZA-xxx	Material : Aluminum
	Range : 0.02-4 L/min to 1-20 0L/min
	Maximum Temperature / Pressure : 80°C / 160 bar
	Connections : G1/4" to 1" female thread
	Output : Pulse


NEW
OVAL GEAR FLOW COUNTER - MECHANICAL

MODEL	DESCRIPTION
DOM-xxx	Material : Stainless steel / aluminum / cast iron
	Viscosity Range : 0-1 000 000 mPas
	Measuring Range : 0.5-3 6l/hr to 150-2 500 l/min oil
	Maximum Temperature / Pressure : 120°C / 400 bar
	Connections : G1/8" to 4 female thread
	Output : Mechanical totaliser
	ATEX certification available


NEW
LEVEL SWITCH

MODEL	DESCRIPTION
NKP-xxx	Plastic universal level switch, output NO/NC contact
	Maximum pressure / temperature : 10 bar / 100°C
	Connections : G1/2", 1/2" M16NPT
	Output : Analogue / Contact



BYPASS LEVEL INDICATORS

MODEL	DESCRIPTION
NBK-xxx	Material : Stainless steel
	Range : Length : 6 meters max
	Maximum temperature / pressure : 100°C / PN16
	Connections : Flange DN15 to DN32 / ANSI 1/2" to 1 1/4"
	Output : Analogue / Contact

NEW



www.kobold.com

HUMAN MACHINE INTERFACES

MODEL	DESCRIPTION
	HMI and HMI with plug and play PLC I/O Modules, IP66
	Free Programming software for entire FlexiPanel family
	Ladder editor with powerful instrumentation set
	Analogue inputs for TC, RTD, mA, mA, and V
	Analogue outputs of 0-10 Vdc and 4-20 mA
	High speed counters and timers
	Support for quadrature inputs and PWM output
	Communication ports for RS-232, RS-422, RS-422 and USB
	Data logging with transfer to USB memory drive
	Various protocols supported including Modbus master and slave
FP4020-xx	16 x 2 Multicolour display with keypad
FP4030-xx	128 x 64 Multicolour 3.1" backlit display with keypad
FP4030MT-xx	128 x 64 Multicolour 3.1" backlit touch display
FP4035-xx	320 x 240 QVGA 3.5" colour TFT touch display with keypad
FP5043-xx	480 x 272 WQVGA 4.3" colour TFT touch display
FP4057-xx	320 x 240 QVGA 5.7" colour TFT touch display with keypad
FP5070-xx	800 x 480 WVGA 7" colour TFT touch display
FP5121-xx	800 x 600 SVGA 12.1" colour TFT touch display

NEW



www.instrotech.co.za

TEMPERATURE INDICATOR / MONITOR

MODEL	DESCRIPTION
EBI200-xxx	Temperature monitoring during storage or transport
	Range : -35 to 60°C
	LCD display and battery powered



TEMPERATURE DATA LOGGER

MODEL	DESCRIPTION
	Data logging for temperature in storage and transport with LCD display
	Ranges -30 to 60°C, accuracy $\pm 0.8^\circ\text{C}$
	Memory of 8 000 readings
EBI-20-T	Temperature logger with internal sensor
EBI-20-TH	Temperature / Humidity logger with internal sensor
EBI-20-IF	Interface and software
EBI-20-WM	Wall mount bracket



www.ebro.de

WWW.INSTROTECH.CO.ZA

ANALOGUE DATA LOGGER

MODEL	DESCRIPTION
	Data logging for analog mA or V signals
	4 channels, accuracy $\pm 0.1^\circ\text{C}$
	Memory of 10 000 readings
EBI-2I-420	4-20 mA
EBI-20-TH	0-05 Vdc
EBI-20-IF	0-10 Vdc
EBI-WINLOG	Winlog 2000 PRO software
EBI-KSY	USB Cable



USB TEMPERATURE DATA LOGGER

MODEL	DESCRIPTION
	Data logging for temperature in cold chain monitoring with automatic PDF report generation, direct USB readout and online configuration
EBI-300	Standard USB data logger
EBI-310	High precision USB data logger
TPC-300	External probe for EBI 300 (-35°C to $+75^\circ\text{C}$)
TPX-220	External probe for EBI 310 (-200°C to $+250^\circ\text{C}$)
TPX-250	External probe for EBI 310 (-85°C to $+50^\circ\text{C}$)
EBI-300WM	Wall mount for EBI 300 / 310



NEW

www.ebro.de

HUMIDITY / TEMPERATURE SENSORS

MODEL	DESCRIPTION
WM-522-xx	Mini wall-mounted transmitter
	Output 1 : 4-20 mA = 0 - 100 %RH
	Output 2 : 4-20 mA = 0 - 100°C
WM-523-xxx	Mini wall-mounted transmitter with LCD display
	Output 1 : 0-10 Vdc = 0 - 100 % RH
	Output 2 : 0-10 Vdc = 0-100°C
DT722-xxx	Rugged industrial transmitter with a probe
	Output 1 : 4-20 mA = 0 - 100%RH
	Output 2 : 4-20 mA = 0 - 100°C
DT722-xxx	Rugged industrial transmitter with LCD display and a probe
	Output 1 : 4-20 mA = 0 - 100 %RH
	Output 2 : 4-20 mA = 0 - 100°C



HUMIDITY / TEMPERATURE HANDHELD METER

MODEL	DESCRIPTION
MDM25-xxx	Digital handheld temperature / humidity meter with various Probes
MDM25-FPR	Fixed probe
MDM25-SPR	Standard probe
MDM25-SWPR	Sword type probe
MDM-HTPR300	300mm remote high temperature probe
MDM-HTPR500	500mm remote high temperature probe



PNEUMATIC / HYDRAULIC HAND PUMPS

MODEL	DESCRIPTION
2911	Pneumatic pressure hand pump Range of 0 to 7 bar
2941	Pneumatic vacuum hand pump Range of -850 mbar to 0 bar
LPP30	Pneumatic scissor grip hand pump, source pressure and vacuum Range of -850 mbar to 35 bar
LPP700	Hydraulic scissor grip hand pump, source pressure Range of 0 to 700 bar All handpumps supplied with carry case



DEAD WEIGHT TESTERS

MODEL	DESCRIPTION
CPB5000-xxx	Hydraulic dead weight tester, single piston Ranges from 60 bar to 1000 bar Stainless steel weight set in wooden carry case Digital pressure displays optional



PRESSURE COMPARATOR

MODEL	DESCRIPTION
LSP-xxx	Hydraulic pressure comparator Ranges from 100 bar to 1600 bar Digital pressure displays optional



NEW

www.druck-temperatur.de

AC OUTPUT ACCELEROMETER

MODEL	DESCRIPTION
MTN1100-xxx	AC output accelerometer, includes M8 quick fit stud Sensitivity 100 mV/g Cable : 5 meters standard Submersible and Intrinsically safe versions available



DC OUTPUT ACCELEROMETER

MODEL	DESCRIPTION
MTN1185-xxx	4-20mA dc output accelerometer, includes M8 quick fit stud Ranges : 10 mm/s up to 100 mm/s Cable : 5 meters standard Intrinsically safe versions available



www.monitran.co.uk
WWW.INSTROTECH.CO.ZA

PORTABLE VIBRATION METER

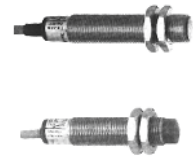
MODEL	DESCRIPTION
	Hand held acceleration / velocity / displacement meter
	Range of 20 mm/s to 2000 mm/s,
	Includes carry case and calibration certificate
MTNVM110	5 / 10 / 20 kHz filters
MTNVW120	1 / 5 / 10 kHz filters



www.monitran.co.uk

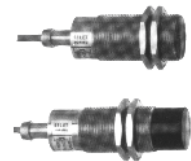
INDUCTIVE PROXIMITY SWITCHES

MODEL	DESCRIPTION
BO1 / BO3-xxx	Suitable for limit / speed switches
	Connection of cable or plug
	Outputs : PNP, NPN, NO/NC and AC Switches
	Diameter : 8 / 10 / 12 / 18 / 28 / 50 mm
	Ranges : 2 / 3 / 4 / 8 / 15 / 35 / 50 mm



ANALOGUE OUTPUT PROXIMITIES

MODEL	DESCRIPTION
B50-xx	Suitable for Distance Measurement
	Connection : plug
	Outputs : 0-10 Vdc or 4-20 mA
	Diameter : 12 / 18 / 30 / 80 x 80 mm
	Ranges : 4 / 8 / 10 / 60 mm



CAPACITIVE PROXIMITY SWITCHES

MODEL	DESCRIPTION
K01-xxx	Cylindrical and block mount switches
	Connection : plug / cable
	Outputs : PNP / NPN / NO / NC switches
	Diameters : 18 / 22 / 30 / 32 / 50 mm
	Ranges : 2-70 mm



PHOTO-ELECTRIC SWITCHES / BEAMS

MODEL	DESCRIPTION
OCV87D-xxx	Direct Switches
	Ranges / diameter : 0-1 m / 30 mm
	Connection : cable
	Outputs : PNP / NPN / NO / NC switches
OCV87C-xxx	Reflective Switches
	Ranges / diameter : 0-5 m / 30 mm
	Connection : cable
	Outputs : PNP / NPN / NO / NC switches
OCV81-xxx	Beam Switches
	Ranges / diameter : 0-15 m / 18 mm
	Connection : cable
	Outputs : PNP / NPN / NO / NC switches



www.selet.it

WWW.INSTROTECH.CO.ZA

LINEAR AND PRECISION POTENTIOMETERS (HEAVY DUTY)

MODEL	DESCRIPTION
H28-xxx	Linear potentiometers, heavy duty IP55 (Optional IP64)
	Linearity = 0.1%
	Ranges : 0 to 1000 mm



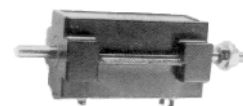
LINEAR AND PRECISION POTENTIOMETERS (LIGHT DUTY)

MODEL	DESCRIPTION
P12-xxx	Linear potentiometers, light duty, IP55
	Linearity = 0.5%
	Ranges : 0 - 300 mm



LINEAR AND PRECISION POTENTIOMETERS

MODEL	DESCRIPTION
H20-xxx	Linear potentiometers, short stroke, miniature
	Linearity = 1%
	Ranges : 10 mm (1K)



www.mcbindustrie.com

STEAM LEAK DETECTION SYSTEMS

MODEL	DESCRIPTION
FFT-xxx	Inspecta FFT16 / 32-point system



www.inspectasld.com

BeanAir WIRELESS DATA ACQUISITION SYSTEM

MODEL	DESCRIPTION
BEANDEVICE-AN-420	2 or 4 channel 4-20 mA wireless sensor
	Rechargeable battery powered
	Integrated sensor power supply
	Embedded data logger (1 00 000 records)
BEANDEVICE-TH	Temperature and humidity wireless sensor
	Temperature range : -20°C to +75°C
	Humidity range : 0 - 100 %RH
	Rechargeable battery powered
	Embedded data logger (32 700 records)
BEANDEVICE-AX-3D	Triaxial wireless sensor
	Measuring range : ±2 g / ±10 g / ±13 g
	Rechargeable battery powered
	Embedded data logger (1 000 000 records)

NEW



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BeanAir WIRELESS DATA ACQUISITION SYSTEM

MODEL	DESCRIPTION
GTW-BEANGATEWAY	Wireless sensor network coordinator Builds and manages WSN for all sensors Plug and Play installation Link protocol : TCP / IP / UDP / DNS / DHCP / RS-232
BEANSCAPE	WSN supervision and control software Monitor and operator WSN in real time Allows user to interpret data measured or alarms related to sensor network



NEW

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MINERAL INSULATED AND GENERAL PURPOSE THERMOCOUPLES AND RTD'S

MODEL	DESCRIPTION
TC	Type : K, J, T, E, N, R, S, B Diameters : 1 / 1.5 / 3 / 3.2 / 4 / 4.5 / 4.8 / 6 / 6.35 / 8 / 9.5 / 10.8 / 12.7 mm Sheath types : Stainless Steel 310, 311, 316, 446 / Inconel 600, 601 / Nimonic / Nicrobell
RTD	Types : Pt100 / 150 / 500 / 1000 or Ni100 Diameters : 3 / 4.8 / 6 / 6.35 / 8 / 9.5 / 10 / 12 / 12.7 mm Lengths : 10 mm to 30 000 mm (depending on Diameter) Terminal Heads : Die cast aluminum, stainless steel, polypropylene, nylon, cast iron Terminations : Potting adaptors to standard / custom dimensions, various flylead types Flylead insulation types : PVC / Teflon / Silicon / Glass or mineral fibre, all with optional SS overbraid



NEW

THERMOWELLS

MODEL	DESCRIPTION
TW-xxx	Types : Solid drilled screwed and flanged, fabricated cold closed threaded and flanged Diameters : from 6 to 80 mm Lengths : 10 to 1400 mm solid drilled , up to 6 m fabricated Materials : Stainless steel 304, 316, 310, 321, 446, 253ma, 353ma, 904 / Sanicro 28 / Inconel 600, 601, 800HT, 825 / Titanium / Teflon



NEW

Product Warranty



Each Instrotech product is warranted to be free from defects in material and workmanship under normal use and service, for two years. The warranty period starts on the day of shipment and extends only to the original buyer or end-user customer of a Instrotech authorized reseller. The warranty does not apply to any disposable batteries or fuses. The warranty does not apply to any product, which, in Instrotech's opinion, has been misused, neglected, altered or damaged by accident or by abnormal conditions of operation or handling. Instrotech warrants that the software will operate in accordance with its functional specifications for three months and that it has been properly recorded on non-defective media. Instrotech does not warrant that the software will be error free or operate without any interruption.

The warranty is not transferable and covers only the original purchaser. To establish original ownership and proof of the date of purchase, please complete and return the registration card accompanying the product.

Service

Instrotech will, at its discretion, repair at no charge, replace or refund the purchase price of a defective product purchased through an Instrotech authorized sales outlet and at the applicable international price. Instrotech reserves the right to charge for the importation costs of repair and/or replacement parts if the product purchased in one country is sent for repair elsewhere.

Send the defective product with a description of the problem to the nearest Instrotech authorized reseller or service centre, postage and insurance prepaid. Instrotech will pay for the return transportation of the product repaired or replaced under warranty.

Before making any non-warranty repair, Instrotech will provide an estimate of the cost and obtain authorization, then invoice you for the repair and return transportation.

THIS WARRANTY ONLY COVERS THE REASONS DETAILED ABOVE. NO OTHER WARRANTIES, SUCH AS SUITABILITY FOR A PARTICULAR PURPOSE, ARE STATED OR IMPLIED. INSTROTECH IS NOT LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, INCLUDING LOSS OF DATA, ARISING FROM ANY CAUSE OR THEORY.

AUTHORIZED INSTROTECH RESELLERS ARE NOT AUTHORIZED TO CHANGE OR OFFER ANY DIFFERENT WARRANTY ON INSTROTECH'S BEHALF.

Instrotech (PTY) Ltd was formed in 1981 to create high quality process control instrumentation and industrial electronics designed to control one or more system parameters, such as temperature, flow rate, weight or position.

In 2010 Instrotech was acquired by Comtest (Pty) Limited, who provides test and measurement, communications, equipment and solutions from world leading manufacturers to the southern African market.

Manufacturing Programme

A leading producer with worldwide sales, the company manufactures and distributes the following range of process control instrumentation and specialized systems to the South African and international markets.

- Calog Calibrators is a range of locally developed process and loadcell calibrators and testers.
- 6004 Weigh indicators and Loadcell Transmitters for a variety of weighing functions
- Digital Indicators to display process parameters such as temperature, frequency, totalising, time, and loadcell applications.
- Remote and Extra Large Displays

INSPECTA FFT is a locally developed and manufactured acoustic steam leak detection system. Power Stations worldwide are now using this equipment for the early detection of tube leaks to reduce down time and prevent consequential damage. The installed base includes power stations in South Africa, Germany, Australia, Turkey, India, Malaysia and China.

RALLYTIME GPS ((TR)) is a locally developed, radio-linked, rally monitoring system used for timing, route and safety tracking in rallies across South Africa, Australia and Jamaica. All the South African Rally Championship events, the African Rally Championship and the majority of the South African Regional Championship events are timed using Rallytime.

Certification

The company's Research & Development laboratories design cutting edge products, which comply with EU legislation and are made in line with internationally accepted ISO 9001 Quality Management System standards.

BEE Compliance

We are a level 6 BEE Contributor, fully committed to providing equal opportunity for all our employees on a sustainable basis. To this end, the company actively complies with the Broad Based Black Economic Codes of Good Practice, empowering its employees through skills development and providing opportunities for growth.



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