



AGE Technologies

Product Catalogue

FEBRUARY 2014



Ethernet Radio

SYSTEM INTEGRATORS, ELECTRICAL & ENGINEERING SPECIALISTS



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SI2K INDUSTRIAL THERMAL PRINTER

SI2K Industrial Thermal Printer



**Durable
Custom
Identification**

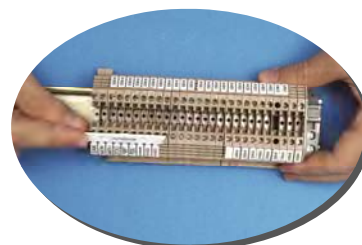
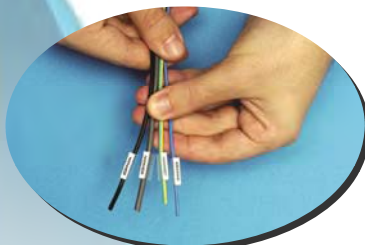
**SI2K Printer
Includes:**



SI2K THERMAL PRINTER & ACCESSORIES

ORDER CODE	DESCRIPTION	PRICE
KE727062280	SI2KSYSEVO - INDUSTRIAL THERMAL MARKING	R 47,421.00
KE727005776	CLEANING CASSETTE	R 690.00
KE727005941	STRONG BLACK RIBBON	R 2444.00

Thermo transfer printer
1+1 Cables (power, USB 2.0)
1 Software Simplo HIP
1 Black ribbon - SI2KSBN/B
1 Cleaning cassette - SI2KCLEAR
1 Support base - SI2K0016
1 Universal feeder - SI2K0013N
1 Support plate for cable tags - SI2K0014NP1
1 Support plate for Terminal blocks single feed



NOTE: PRINTING OF TAGS AVAILABLE ON REQUEST



INDUSTRIAL LABELLERS

DYMO

brother

PICTURE	ORDER CODE	DESCRIPTION	PRICE
	PT-7600	Electronic Labeller Prints on TZ laminated tapes, Strong Adhesive & Flexible ID Tapes. Max print size - 18mm Includes: PT-7600, 12mm Black on White flexi ID tape, Hard Carry case, Rechargeable Battery Pack, AC Adapter, USB Cable, Label Design Software, Hand Strap	R 2,687.00
	DYMO M11	DYMO M11 Industrial Metal Tape Embosser Includes: Hard Carry Case, 1 horizontal character wheel, Embossing Tool, 4.8m Aluminium Tape with adhesive, 6.4m roll Stainless Steel tape without adhesive, 1 Reverse Image wheel. 12mm tapes. Weight 1.7kg Dimensions: (LxWxH) 350mm X 50mm X 120mm	R 5,980.00

Panel Flex Wire

ORDER CODE	DESCRIPTION	PRICE
W503 BK	1 mm BLACK FLEX WIRE /100m	R 166.00
W503 BL	1 mm BLUE FLEX WIRE /100m	R 166.00
W503 BR	1 mm BROWN FLEX WIRE /100m	R 166.00
W503 G/Y	1 mm GREEN/YELLOW FLEX WIRE/100m	R 166.00
W503 GN	1 mm GREEN FLEX WIRE /100m	R 166.00
W503 GR	1 mm GREY FLEX WIRE /100m	R 166.00
W503 O	1 mm ORANGE FLEX WIRE /100m	R 166.00
W503 P	1 mm PINK FLEX WIRE /100m	R 166.00
W503 R	1 mm RED FLEX WIRE /100m	R 166.00
W503 V	1 mm VIOLET FLEX WIRE /100m	R 166.00
W503 WH	1 mm WHITE FLEX WIRE /100m	R 166.00
W503 Y	1 mm YELLOW FLEX WIRE /100m	R 166.00



Bootlace, Glands & Utility Boxes

ORDER CODE	DESCRIPTION	PRICE
BOOTLACE		
9019080000	1mm red bootlace	R 0.16
9019120000	1.5mm bootlace	R 0.16
9021070000	2.5mm bootlace	R 0.16
GLANDS (Metal)		
053500	No .00 compression gland	R 23.30
0535-0	No.0 compression glands	R 26.66
0503-0	No.0 SWA glands	R 24.28
0535-1	No.1 compression glands	R 38.03
050301	No.1 SWA glands	R 32.19
0535-2	No.2 compression glands	R 64.38
050302	No.2 SWA glands	R 60.57
0535-3	No.3 compression gland	R 98.03
050303	No.3 SWA glands	R 91.89
UTILITY BOXES		
102101	CCG utility box size 1 Inner dim: 88mm Outer Dim: 118mm Entry Points: 4	R 163.16
102102	CCG utility box size 2 Inner dim: 123mm Outer Dim: 138mm Entry Points: 4	R 238.50



TERMINALS



SCREW CLAMP TERMINAL BLOCKS

These Feed Through Terminal Blocks are the most versatile terminals for Control, Automation, Instrumentation and Power Distribution applications. A specially designed flexible foot enables easy mounting and dismantling from the mounting rail with the help of a screwdriver. These Terminal Blocks have marker holding recesses to accept marking tags for circuit identification. Cross connection can be achieved with the aid of shorting links / sleeves & screws. Insulation Material is Polyamide 66.

	ORDER CODE	DESCRIPTION	PRICE
	Standard Feed Through Terminal Blocks (G or Tophat Rail)		
	*CTS2.5UN	Terminal 0.5to2.5mm ² Wire , 5mm Pitch, 45mm H, 43mm W	R 4.50
	*EP2.5/4UN	End Plate	R 1.60
	CA702	End Clamp	R 4.10
	CA741/10	Insulated Pre-Assembled Shorting Link- 10 Way	R 16.00
	CA741/100	Insulated Pre-Assembled Shorting Link- 100 Way	R 150.00
	CA717/10	Insulated Comb - 10 Way	R 12.00
	CA509/K5	Terminal Marker	R 0.50
	Standard Feed Through Terminal Blocks (G or Tophat Rail)		
	*CTS4UN	Terminal 0.5to4mm ² Wire , 6mm Pitch, 45mm H, 43mm W	R 5.20
	*EP2.5/4UN	End Plate	R 1.60
	CA702	End Clamp	R 4.10
	CA742/100	Insulated Pre-Assembled Shorting Link- 100 Way	R 150.00
	CA713/10	Insulated Comb - 10 Way	R 12.00
	CA509/K6	Terminal Marker	R 0.50
	Standard Feed Through Terminal Blocks (G or Tophat Rail)		
	*CTS10U	Terminal 1.5to10mm ² Wire 10mm Pitch, 47mm H, 43mm W	R 5.30
	*EP6/10U	End Plate	R 1.60
	CA702	End Clamp	R 4.10
	CA509/K10	Terminal Marker	R 0.50
	Single Level Fuse Terminal Blocks with LED Indication (G or Tophat Rail)		
	*CSFL4U(L) 24V	Terminal 0.5to4mm ² Wire , 8mm Pitch, 43mm H, 58mm W- Specify Voltage	R 49.50
	EPCSL4U	End Plate	R 1.60
	CA702	End Clamp	R 4.10
	CA711/10	Insulated Comb - 10 Way	R 12.00
	CA509/K2	Terminal Marker	R 0.50
	Double Level Fuse Terminal Blocks with LED Indication (G or Tophat Rail)		
	*DDFL4UE	24V Terminal 0.5to4mm ² Wire , 8mm Pitch, 66mm H, 88mm W	R 59.10
	EPDDFL4U	End Plate	R 2.60
	CA702	End Clamp	R 4.10
	CA711/10	Insulated Comb - 10 Way	R 12.00
	CA509/K2	Terminal Marker	R 0.50
	Group Terminal Markers		
	*GMH6	Group Marker suitable for mounting on Din 15 / Din 32 / Din 35 Rails 9.5mm Pitch, 46.5mm H, 44.5 W	R 4.60
	GMH7	Group Marker suitable for mounting on Din 15 / Din 32 / Din 35 Rails 19.5mm Pitch, 46.5mm H, 44.5 W	R 6.10

NOTE: * PREFERRED STOCK ITEM



TERMINALS

SCREW CLAMP TERMINAL BLOCKS

These Feed Through Terminal Blocks are the most versatile terminals for Control, Automation, Instrumentation and Power Distribution applications. A specially designed flexible foot enables easy mounting and dismounting from the mounting rail with the help of a screwdriver. These Terminal Blocks have marker holding recesses to accept marking tags for circuit identification. Cross connection can be achieved with the aid of shorting links / sleeves & screws. Insulation Material is Polyamide 66.

	ORDER CODE	DESCRIPTION	PRICE
	Double Level Terminal Blocks - Screw Clamp		
	*CDL4UN	4 sq.mm Double Level Terminal Block	R 5.20
	EPCDL4UN	End Plate in Grey colour	R 4.60
	*CA702 or CA802	End Clamp	R 4.10
	CA509/K6	Marking Tags	R 0.50

Disconnect & Test Terminal Blocks

	CKT4U/S	4 sq.mm Knife Type Disconnect & Test Terminal Blocks w Standard screw	R 9.80
	EPCKT4U	End Plate in Grey colour	R 4.60
	*CA702/802	End Clamp	R 4.10

Other Items

	Slim Pluggable Relay Module 24V DC Coil - 1x 6A Change over Contact		
	*IMSR1SS1/24	Relay 0.5to2.5mm ² Wire , 6.2 mm Pitch, 70.9mm H, 88.3 mm W	R 99.20
	IMACC /SR1S/24	Spare Relay	R 45.90
	IMACCSL1/8	Shorting link 8 way	R 19.50
	CA702	End Clamp	R 4.10
	GMH6	Small Group Marker, 9.5mm Pitch, 46.5mm H, 44.5 W	R 4.60
	GMH7	Big Group Marker, 19.5mm Pitch, 46.5mm H, 44.5 W	R 6.10
	CA509/K6	Terminal Marker	R 0.50
	Ground / Earth Screw Terminal Blocks (G or Tophat Rail)		
	CGT4N	Terminal 0.5to2.5mm ² Wire , 6mm Pitch, 48mm H, 43mm W	R 9.80
	CA509/K6	Terminal Marker	R 0.50
	Neutral / Earth Clamps		
	*CENC4	Clamp 0.5to6mm ² Wire , 7.5mm Pitch, 30mm H, 23.3mm W	R 2.80
	*NES	Plastic Support with fixing screw	R 2.70
	NEB10	Bus Bar (10x3mm) 1 meter	R 93.00
	CA202	Bus Bar Support for DIN35 Rail Mounting	R 6.20
	Din Rail Mount Switch & 3 Pin 16A Plug		
	CDINSW1	Din Rail Switch 16A	R 92.00
	*CDINS16	16A 3 Prong Plug	R 98.00

NOTE: * PREFERRED STOCK ITEM



TERMINALS



Spring Clamp Terminal Blocks

These Terminal Blocks are an ideal choice for compact junction boxes having limitations of space and height. A major advantage of Angular Terminal Blocks over the top wire entry Terminal Blocks is that their profile remains the same across the entire range of Feed Through, Multiple Connection, Ground and Ground Multiple Connection Terminal Blocks. The other advantages include: Angular entry of wires saves conductor length, marking / identification facility on the centre (top) of the block, Multiplication of connections through bridging. Step Down shorting links are used for shorting spring clamp Terminal Blocks of different sizes.

	Angular Feed Through Terminal Blocks (Tophat Rail)		
	AS2.5	Terminal 0.5to4mm ² Wire , 5mm Pitch, 42mm H, 54mm W	R 4.20
	EPAS2.5	End Plate	R 2.60
	CA702	End Clamp	R 4.10
	CA801/1	Insulated Push In Shorting Link - 2 Way	R 2.50
	CA801/1-3	Insulated Push In Shorting Alternate Link- 2 Way (Skip one)	R 3.50
	GMH6	Small Group Marker, 9.5mm Pitch, 46.5mm H, 44.5 W	R 4.60
	GMH7	Big Group Marker, 19.5mm Pitch, 46.5mm H, 44.5 W	R 6.10
	CA509/K5	Terminal Marker	R 0.50
	Double Level Angular Feed Through Terminal Blocks (Tophat Rail)		
	ADL2.5	Terminal 0.5to4mm ² Wire , 5mm Pitch, 50mm H, 79.5mm W	R 9.80
	EPADL2.5	End Plate	R 4.60
	CA702	End Clamp	R 4.10
	CA801/1	Insulated Push In Shorting Link - 2 Way	R 2.50
	CA801/1-3	Insulated Push In Shorting Alternate Link- 2 Way (Skip one)	R 3.50
	GMH6	Small Group Marker, 9.5mm Pitch, 46.5mm H, 44.5 W	R 4.60
	GMH7	Big Group Marker, 19.5mm Pitch, 46.5mm H, 44.5 W	R 6.10
	CA509/K5	Terminal Marker	R 0.50
	Angular Fuse Terminal Blocks with LED Indication (Tophat Rail)		
	ASF4(L)	Terminal 0.5 to 4mm ² Wire , 8mm Pitch, 60mm H, 86mm W With fuse & LED indication	R 56.30
	ASF4(L) W/F	Terminal Block - without fuse	R 56.00
	ASF4(L)/24V	Terminal Block for 24V AC/DC	R 56.30
	EPASF4	End Plate	R 4.60
	CA702	End Clamp	R 4.10
	CA801/7	Insulated Push In Shorting Link - 2 Way	R 5.50
	GMH6	Small Group Marker, 9.5mm Pitch, 46.5mm H, 44.5 W	R 4.60
	GMH7	Big Group Marker, 19.5mm Pitch, 46.5mm H, 44.5 W	R 6.10
	CA509/K2	Terminal Marker	R 0.50

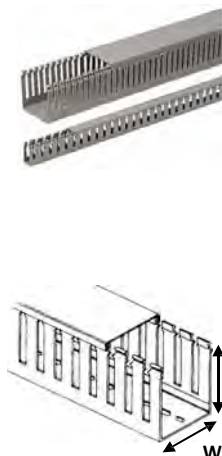
NOTE: * PREFERRED STOCK ITEM



TRUNKING / DIN RAILS / RELAYS

TRUNKING

ORDER CODE	DIMENSIONS W x H x L	PRICE
40mm Height		
02579	40 x 40 x 2000mm	R 84.78
00837	60 x 40 x 2000mm	R 102.47
00838	80 x 40 x 2000mm	R 123.13
00845	100 x 40 x 2000mm	R 226.35
60mm Height		
02580	40 x 60 x 2000mm	R 100.26
02583	60 x 60 x 2000mm	R 133.46
00839	80 x 60 x 2000mm	R 150.42
00840	100 x 60 x 2000mm	R 183.59
00843	120 x 60 x 2000mm	R 211.60



ORDER CODE	DIMENSIONS W x H x L	PRICE
80mm Height		
02581	40 x 80 x 2000mm	R 124.61
02584	60 x 80 x 2000mm	R 166.64
02586	80 x 80 x 2000mm	R 193.91
02588	100 x 80 x 2000mm	R 221.18
00841	120 x 80 x 2000mm	R 256.58
100mm Height		
02582	40 x 100 x 2000mm	R 147.45
02585	60 x 100 x 2000mm	R 193.16
02587	80 x 100 x 2000mm	R 228.57
02589	100 x 100 x 2000mm	R 225.10

DIN RAIL

ORDER CODE	DIMENSIONS	PRICE
0514570000	Slotted Din Rail	R 45.60 pm



RELAYS

TYPE/CODE	DESCRIPTION			PRICE
40.61	Miniature P.C.B. Relay	16A 1 changeover 12,24 VDC		R 21.90
		80,90,110 VDC		R 33.00
		12,24 VAC		R 28.00
		6,48,60,110 VAC		R 32.60
		230,240 VAC		R 45.50
95.05 SPA	Surf/DIN mounting screw terminal socket for 40/44 series			R 33.80
40.52	Miniature P.C.B. Relay	8A 2 changeover 12,24VDC		R 25.60
		80,90,110 VDC		R 37.60
		12,24 VAC		R 32.00
		6,48,60,110 VAC		R 36.00
		230,240 VAC		R 49.00





SWITCHES



Pushbutton & Selector Switch Bodies U/C AM			
PICTURE	ORDER CODE	DESCRIPTION	PRICE
	ZB4BZ101	BEZEL+1NO.CONTACT.BLOCK	R 80.56
	ZB4BZ102	BEZEL+1NC.CONTACT.BLOCK	R 80.56
	ZB4BZ103	BEZEL+2NO.CONTACT.BLOCK	R 129.32
	ZB4BZ104	BEZEL+2NC.CONTACT.BLOCK	R 129.32
	ZB4BZ105	1 N/O + 1 N/C	R 129.32
Heads for Selector Switches			
	ORDER CODE	Nr of Type positions	PRICE
	Standard – handle black		
	ZB4BD2	2 – stay put	R 168.54
	ZB4BD4	2 – spring return L to R	R 168.54
	ZB4BD3	3 – stay put	R 168.54
	ZB4BD5	3 – spring return to centre	R 168.54
	ZB4BD7	3 – spring return L to centre	R 168.54
	ZB4BD7	3 – spring return R to centre	R 168.54
	Long handle – handle black		
	ZB4BJ2	2 – stay put	R 167.48
	ZB4BJ4	2 – spring return L to R	R 186.56
	ZB4BJ3	3 – stay put	R 167.48
	ZB4BJ5	3 – spring return to centre	R 186.56
	ZB4BJ7	3 – spring return L to centre	R 186.56
	ZB4BJ8	3 – spring return R to centre	R 186.56



Complete Pilot Light with "Protected LED"						
Voltage	24v		48...120v		230...240v	
COLOUR	CODE	PRICE	CODE	PRICE	CODE	PRICE
White	XB4BVB1	R 180.20	XB4BVG1	R 227.90	XB4BVM1	R 275.60
Green	XB4BVB3	R 180.20	XB4BVG3	R 227.90	XB4BVM3	R 275.60
Red	XB4BVB4	R 180.20	XB4BVG4	R 227.90	XB4BVM4	R 275.60
Yellow	XB4BVB5	R 180.20	XB4BVG5	R 227.90	XB4BVM5	R 275.60
Blue	XB4BVB6	R 180.20	XB4BVG6	R 227.90	XB4BVM6	R 275.60



COMPLETE 22mm PUSHBUTTONS AND SWITCHES WITH CHROMIUM PLATED METAL BEZEL – SPRING RETURN

ORDER CODE	DESCRIPTION	PRICE
XB4BA21	COMPLETE BLACK FLUSH P/B NO	R 154.76
XB4BA31	COMPLETE GREEN FLUSH P/B NO	R 154.76
XB4BA42	COMPLETE RED FLUSH P/B NC	R 154.76
XB4BA51	COMPLETE YELLOW FLUSH P/B NO	R 154.76
XB4BA61	COMPLETE BLUE FLUSH P/B NO	R 154.76
XB4BA3311	COMPLETE GREEN WITH "I" IN WHITE P/B NO	R 167.48
XB4BA3312	COMPLETE GREEN WITH "O" IN WHITE P/B NO	R 167.48



XB4BA21



XB4BA31



XB4BA61



XB4BA3311



XB4BA42



XB4BA51



SWITCHES

HEADS FOR SPRING RETURN PUSHBUTTONS



ZB4BA0



ZB4BA1



ZB4BA2



ZB4BA3



ZB4BA4



ZB4BA5



ZB4BA6



ZB4BA8

ORDER CODE	DESCRIPTION	PRICE
ZB4BA0	P/B.FLUSH.HD.S/RET.WITHOUT.CAP	R 65.72
ZB4BA1	P/B.FLUSH.HD.S/RET.WHITE	R 74.20
ZB4BA2	P/B.FLUSH.HD.S/RET.BLACK	R 74.20
ZB4BA3	P/B.FLUSH.HD.S/RET.GREEN	R 74.20
ZB4BA4	P/B.FLUSH.HD.S/RET.RED	R 74.20
ZB4BA5	P/B.FLUSH.HD.S/RET.YELL	R 74.20
ZB4BA6	P/B.FLUSH.HD.S/RET.BLUE	R 74.20
ZB4BA8	P/B.FLUSH.HD.S/RET.GREY	R 72.08

MUSHROOM HEADS FOR E-STOP PUSHBUTTONS



ZB4-BS844



ZB4-BT2

TYPE	DIAMETER	COLOUR	ORDER CODE	PRICE
Trigger Selection Turn to Release (2) Trigger Action / Key Release	40	Red	ZB4-BS844	R 364.64
		Red		R 221.54
	40	Red	ZB4-BS944	R 556.50
Push-Pull	40	Black(3)	ZB4-BT2	R 277.72
		Red	ZB4-BT4	R 253.34
	60	Red	ZB4-BX4	R 329.66
Turn to Release	30	Red	ZB4-BS44	R 309.52
	40	Red	ZB4-BS54	R 252.34
	60	Red	ZB4-BS64	R 329.66
Key Release	40	Red	ZB4-BS14	R 407.04
	60	Red	ZB4-BS24	R 559.68

POWER SUPPLIES



ORDER CODE	INPUT VOLTAGE (Vac)	OUTPUT WATTAGE (W)	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT	MIN EFFICIENCY (%)	DIMENSIONS (HxWxD) in mm	HOUSING MATERIAL	WEIGHT (Grams)	PRICE
*PSS60/24/2.5	85/264	60	24	2.5	86	90 X 40.5 X 114	PLASTIC	340	R 550.00
*PSS 120/24/5	115/230	120	24	5	84	124 X 64 X	METAL	920	R 698.00
*PSS 240/24/10	115/230	240	24	10	87	124 X 84 X	METAL	1000	R 1,144.00
*PSSB4/60/24/2.5	90 to 264	60	24	2.5	84	57 X 71 X	PLASTIC	250	R 556.00

NOTE: * PREFERRED STOCK ITEM



PANELS - ENCLOSURES

SABS
ISO 9001

IP55 FLOOR STANDING ENCLOSURES & CONTROL DESKS



FLOOR STANDING - IP55		
PART NUMBER	DESCRIPTION (HxWxD)	PRICE
01-022-664-4-O	UPRIGHT ENCLOSURE 1575x600x400	R 5,625.00
01-022-684-4-O	UPRIGHT ENCLOSURE 1575x800x400	R 6,768.75
01-022-764-4-O	UPRIGHT ENCLOSURE 1838x600x400	R 6,275.00
01-022-786-4-O	UPRIGHT ENCLOSURE 1838x800x600	R 8,300.00
01-022-864-4-O	UPRIGHT ENCLOSURE 2100x600x400	R 6,840.55
01-022-886-4-O	UPRIGHT ENCLOSURE 2100x800x600	R 9,213.40

NOTE:

O - Orange colour. Should you want Grey, use G instead

CONTROL DESK - IP55

PART NUMBER	DESCRIPTION (HxWxD)	PRICE
01-024-CD-6-O	CONTROL DESK 1000x600x480	R 4,583.56
01-024-CD-9-O	CONTROL DESK 1000x900x480	R 5,351.25
01-024-CD-12-O	CONTROL DESK 1000x1200x480	R 6,375.00

STEGO LED PANEL LAMP

ORDER CODE: 02540.1-00
(with rubberized magnet) to quickly position in any steel enclosure. 24V DC

Dimensions: Magnet mount - (351 x 34 x 32 mm)

244360 - Connection Cable DC complete with 2m cable **R 150.00**

PRICE: R 1,590.00



RELAIBLE
ECONOMICAL
ROBUST



IP65 WALL / POLE MOUNTED ENCLOSURES



WALL / POLE MOUNTED—IP65

PART NUMBER	DESCRIPTION (HxWxD)	PRICE
01-65-35-25-17-O	ENCLOSURE IP65 - 350x250x170	R 866.25
01-65-45-30-22-O	ENCLOSURE IP65 - 450x300x220	R 1,212.50
01-65-55-40-22-O	ENCLOSURE IP65 - 550x400x220	R 1,462.50
01-65-65-45-27-O	ENCLOSURE IP65 - 650x450x270	R 1,712.50
01-65-75-55-27-O	ENCLOSURE IP65 - 750x550x270	R 1,962.50
01-65-95-70-27-O	ENCLOSURE IP65 - 950x700x270	R 2,880.00
01-65-115-85-27-O	ENCLOSURE IP65 - 1150x850x270	R 4,256.25
01-65-115-85-35-O	ENCLOSURE IP65 - 1150x850x370	R 4,406.25

NOTES:

- Various colours to choose from, Custom sizes available.
- Enclosure Material - Mild Steel
- All sizes are external sizes including door.
- Internal sizes take Height less 50mm, Width less 50mm, Depth (to chassis plate) less 50mm
- Mounting Accessories: Pole mount (available on request)





PLC and SERVER CABINETS



Wall Mount Cabinets

	ORDER CODE	SIZE (HxWxD) mm	PRICE
Wall Cabinet 4u Swing Frame	4U500S	178 x 600 x 500	R 1,650.00
Wall Cabinet 6u Swing Frame	6U500S	267 x 600 x 500	R 1,900.00
Wall Cabinet 9u Swing Frame	9UX400S	400 x 600 x 400	R 1,700.00
Wall Cabinet 9u Swing Frame	9UX500S	400 x 600 x 500	R 2,100.00
Wall Cabinet 12u Swing Frame	12UX500S	533 x 600 x 500	R 2,300.00
Cabinet Single Fan	MISC500	-	R 250.00

Server Cabinets

Includes 4 fans & castors

	ORDER CODE	SIZE (HxWxD) mm	PRICE
22u Network Server Cabinet	JS6822	978 x 600 x 800	R 5,868.00
22u Network Server Cabinet	JS6022	978 x 600 x 1000	R 7,368.00
27u Network Server Cabinet	JS6827	1200 x 600 x 800	R 6,243.00
27 Network Server Cabinet	JS6027	1200 x 600 x 1000	R 9,200.00
42u Network Server Cabinet	JS6842	1867 x 600 x 800	R 9,875.00
42u Network Server Cabinet	JS6042	1867 x 600 x 1000	R 10,800.00

Accessories

DESCRIPTION	ORDER	PRICE
6-Way Server Power duct with circuit breaker	JS-110	R 498.00
10-Way Server Power duct with circuit breaker	JS-114	R 708.00
Front Mount Shelf 19" 330mm	JS-108	R 200.00
Front Mount Shelf 19" 450mm	JS-109	R 278.00
Full Depth Shelf 550mm	AS-100	R 300.00
Full Depth Shelf 730mm	AS-105	R 357.00
Cabinet Cage Nuts & Washers	MISC-600	R 1.90each
Cabinet Brush Panel	MISC-200	R 79.00
Rack mount Keyboard Drawer	AS-110	R 838.00

Shatterproof glass door with viewing window, Rail depth can be adjusted to suit equipment, Lift off hinges on swing frame, Surface finish decreasing, phosphoric, power coated

MINIATURE CIRCUIT BRAKER




Current Rating	kA Rating	Single Pole		Double Pole		Triple Pole		Four Pole	
		CODE	PRICE	CODE	PRICE	CODE	PRICE	CODE	PRICE
1 Amp	6 kA	KC6-T-101	R 48.00	KC6-T-201	R 122.00	KC6-T-301	R 198.00	KC6-T-401	R 260.00
2 Amp	6 kA	KC6-T-102	R 48.00	KC6-T-202	R 122.00	KC6-T-302	R 198.00	KC6-T-402	R 260.00
3 Amp	6 kA	KC6-T-103	R 48.00	KC6-T-203	R 122.00	KC6-T-303	R 198.00	KC6-T-403	R 260.00
4 Amp	6 kA	KC6-T-104	R 48.00	KC6-T-204	R 122.00	KC6-T-304	R 198.00	KC6-T-404	R 260.00
6 Amp	6 kA	KC6-T-106	R 48.00	KC6-T-206	R 122.00	KC6-T-306	R 198.00	KC6-T-406	R 260.00
10 Amp	6 kA	KC6-T-110	R 48.00	KC6-T-210	R 122.00	KC6-T-310	R 198.00	KC6-T-410	R 260.00
16 Amp	6 kA	KC6-T-116	R 48.00	KC6-T-216	R 122.00	KC6-T-316	R 198.00	KC6-T-416	R 260.00
20 Amp	6 kA	KC6-T-120	R 48.00	KC6-T-220	R 122.00	KC6-T-320	R 198.00	KC6-T-420	R 260.00
25 Amp	6 kA	KC6-T-125	R 48.00	KC6-T-225	R 122.00	KC6-T-325	R 198.00	KC6-T-425	R 260.00
32 Amp	6 kA	KC6-T-132	R 48.00	KC6-T-232	R 122.00	KC6-T-332	R 198.00	KC6-T-432	R 260.00
40 Amp	6 kA	KC6-T-140	R 48.00	KC6-T-240	R 122.00	KC6-T-340	R 198.00	KC6-T-440	R 260.00
50 Amp	6 kA	KC6-T-150	R 48.00	KC6-T-250	R 122.00	KC6-T-350	R 198.00	KC6-T-450	R 260.00
63 Amp	6 kA	KC6-T-163	R 48.00	KC6-T-263	R 122.00	KC6-T-363	R 198.00	KC6-T-463	R 260.00

3 and (4) Pole Moulded Case Circuit Breakers



3 and (4) Pole Moulded Case Circuit Breakers - Fixed Terminal Magnetic						
ORDER CODE	CURRENT	DIMENSIONS	kA Rating	RATED	PRICE	
	Rating	H X W X D		Op Voltage	3 Pole	4 Pole
KCM1-100S-32(-4)	32 Amp	150x90(120)x68	25 kA	690V	R 800.00	R 1040.00
KCM1-100S-40(-4)	40 Amp	150x90(120)x68	25 kA	690V	R 800.00	R 1040.00
KCM1-100S-50(-4)	50 Amp	150x90(120)x68	25 kA	690V	R 800.00	R 1040.00
KCM1-100S-63(-4)	63 Amp	150x90(120)x68	25 kA	690V	R 800.00	R 1040.00
KCM1-100S-80(-4)	80 Amp	150x90(120)x68	25 kA	690V	R 800.00	R 1040.00
KCM1-100S-100(-4)	100 Amp	150x90(120)x68	25 kA	690V	R 800.00	R 1040.00
KCM1-225S-125(-4)	125 Amp	165x105(140)x85	25 kA	690V	R 1050.00	R 1,365.00
KCM1-225S-160(-4)	160 Amp	165x105(140)x85	25 kA	690V	R 1050.00	R 1,365.00
KCM1-225S-200(-4)	200 Amp	165x105(140)x85	25 kA	690V	R 1050.00	R 1,365.00
KCM1-225S-225(-4)	225 Amp	165x105(140)x85	25 kA	690V	R 1050.00	R 1,285.00

Neutral Earth Leakage

NEUTRAL EARTH LEAKAGE						
PICTURE	OVERLOAD RATING (A)	SENSITIVITY	2 POLE ORDER CODE	PRICE	4 POLE ORDER CODE	PRICE
	12 A	30mA	KRC3-225	R 250.00	KRC3-425	R 500.00
	40 A	30mA	KRC3-240	R 265.00	KRC3-440	R 510.00
	63 A	30mA	KRC3-263	R 275.00	KRC3-463	R 540.00
	80 A	30mA	KRC3-280	R 365.00	KRC3-480	R 550.00



OMESTO

3/4 POLE CIRCUIT BREAKER



ORDER CODE	CURRENT	DIMENSIONS	kA Rating	RATED	PRICE	
	Rating	H X W X D		Op Voltage	3 Pole	4 Pole
KCM1-225S-250(-4)	250 Amp	165x105(140)x85	25 kA	690V	R 1050.00	R 1,365.00
KCM1-400S-315(-4)	315 Amp	255x140(200)x105	35 kA	690V	R 2,800.00	R 3,650.00
KCM1-400S-350(-4)	350 Amp	255x140(200)x105	35 kA	690V	R 2,800.00	R 3,650.00
KCM1-400S-400(-4)	400 Amp	255x140(200)x105	35 kA	690V	R 2,800.00	R 3,650.00
KCM1-630S-500(-4)	500 Amp	270x180(240)x110	45 kA	690V	R 5,000.00	R 6,500.00
KCM1-630S-630(-4)	630 Amp	270x180(240)x110	45 kA	690V	R 5,000.00	R 6,500.00
KCM1-800S-800(-4)	800 Amp	278x210(270)x110	65 kA	690V	R 7,000.00	R 9,100.00
KCM1-1250S-1250(-4)	1250 Amp	405x210(270)x140	85 kA	690V	R 12,800.00	R 16,640.00

ACCESSORIES



ORDER CODE	DESCRIPTION	PRICE
SHUNT TRIP		
KCM1-ST-100	230V/400V/550V	FOR KCM1 - 100
KCM1-ST-225	230V/400V/550V	FOR KCM1 - 225
KCM1-ST-400	230V/400V/550V	FOR KCM1 - 400
KCM1-ST-630	230V/400V/550V	FOR KCM1 - 630
KCM1-ST-800	230V/400V/550V	FOR KCM1 - 800
KCM1-ST-1250	230V/400V/550V	FOR KCM1 - 1250
AUXILIARY CONTACTS		
KCM1-AC-100	1 N/O & N/C AUXILIARY CONTACT	FOR KCM1 - 100
KCM1-AC-225	1 N/O & N/C AUXILIARY CONTACT	FOR KCM1 - 225
KCM1-AC-400	1 N/O & N/C AUXILIARY CONTACT	FOR KCM1 - 400
KCM1-AC-630	1 N/O & N/C AUXILIARY CONTACT	FOR KCM1 - 630
KCM1-AC-800	1 N/O & N/C AUXILIARY CONTACT	FOR KCM1 - 800
KCM1-AC-1250	1 N/O & N/C AUXILIARY CONTACT	FOR KCM1 - 1250
UNDER VOLTAGE TRIPS		
KCM1-UVT-100	UNDER VOLTAGE TRIPS - 400V	FOR KCM1 - 100
KCM1-UVT-225	UNDER VOLTAGE TRIPS - 400V	FOR KCM1 - 225
KCM1-UVT-400	UNDER VOLTAGE TRIPS - 400V	FOR KCM1 - 400
KCM1-UVT-630	UNDER VOLTAGE TRIPS - 400V	FOR KCM1 - 630
KCM1-UVT-800	UNDER VOLTAGE TRIPS - 400V	FOR KCM1 - 800
KCM1-UVT-1250	UNDER VOLTAGE TRIPS - 400V	FOR KCM1 - 1250
VARI-DEPTH HANDLES		
KCM1-VDH-100	VARI-DEPTH HANDLE WITH SHAFT	FOR KCM1 - 100
KCM1-VDH-225	VARI-DEPTH HANDLE WITH SHAFT	FOR KCM1 - 225
KCM1-VDH-400	VARI-DEPTH HANDLE WITH SHAFT	FOR KCM1 - 400
KCM1-VDH-630	VARI-DEPTH HANDLE WITH SHAFT	FOR KCM1 - 630
KCM1-VDH-800	VARI-DEPTH HANDLE WITH SHAFT	FOR KCM1 - 800



FIBRE - SPLICING MACHINE

Fujikura **FSM-80S**

ORDER CODE: FSM-80S PRICE: **R 99,900.00**



FULL SPECIFICATION SHEET AVAILABLE



Applicable fibre types	Single / SMF (G.652/657), MMF (G.651), DSF (G.653), NZDSF (G.655)
Fibre Count	Single
Splice/Heating mode	Total 100 splice modes / 30 heating modes
Typical splice loss	0.02dB (SM), 0.01dB (MM), 0.04dB (DSF) and 0.04dB (NZDS) Measured by cut-back method relevant to ITU-T and IEC standards.
Splicing Time	Typical 7sec with SM
Heating Time	Typical 14sec with FP-03 (60mm) sleeve
Dimensions	146W x 159D x 150H (mm) / 2.7kg (including battery)
Electrode Life	3000 splices

Standard Package includes:

- Fusion Splicer
- AC power cord
- Cooling tray
- Spare electrode
- Software
- Fibre cleaver
- Internal battery
- Carry case
- Charger



TP-550G

ORDER CODE: TP-550G PRICE: **R 49,500.00**

Main Specifications

- 9 Sec. Splice time & 30 Sec. Tube-heat time
- Simultaneous X and Y views
- Store 8000 groups of splice results
- Average splice loss: 0-0.02dB (SM), 0-0.01dB (MM)
- Interface: RS232 interface & video output
- The cleaver can be used 30000 times & electrode 8000 times



FIBRE - TESTERS & ACCESSORIES

PICTURE	ORDER CODE	DESCRIPTION	PRICE
OTDR TESTER			
	OTDR TP-700	Optical Time Domain Reflectometer, Wavelength: 1310nm/1550nm Dynamic Range: 26dB-28dB, Maximum test distance - 80Km Application: Single Mode only	R 35,950.00
OPTICAL POWER METER			
	TP-502A	Handheld Optical Power Meter High sensitivity, wider dynamic range universal connector interface FC/SC/ST Quick response, without warm-up and reduce testing time. Measurement Range: -70~+10dBm	R 2,550.00
OPTICAL LIGHT SOURCE			
	TP-202F	Optical Light Source, 3pcs 1.5V Batteries, AC Adapter, User Manual, Cotton Swabs and Soft Carrying Case Four wavelength: 1310/1550/850/1300 SM+MM	R 6,550.00
VISUAL FAULT LOCATOR			
	TP-261	Visual Fault Locator is a visible red laser source for finding breaks and tight bends in optical Fibres. Wavelength (nm)- 650nm, Connector Type - FC/PC (Interchangeable SC, ST), Battery Life ≥40hrs Dimension (mm) - 185*25, Weight (g) 162g	R 1,450.00
	Fibre Cleaver	For Fusion Splicer TP-550	R 3,950.00

ACCESSORIES			
	PPSEST1024BLO	24 Port 19" sliding draw rack mount FOBOT (Fibre Optic Break Out Tray) - No accessories included To order extra: Adapters/Pigtails/Gland & Management Kit	R 220.00
	KT-PNRM-04	19" inch Fibre Termination box, protection sleeve, white tube, Suitable for LC/SC/FC connector - all accessories included except pigtail and adapters. Slide out design. Max capacity 48 fibre's	R 240.00
	2552SA	Splice Box Dimensions (H x W x D): 210 x 160 x 65mm Exchangeable faceplates for: ST simplex / FC-"D" mount SC duplex plate up to 12x fibres. The 2552SA is constructed from flame retardant material. The boxes have a unique sliding lid	R 185.00
	OP12DN Specify faceplate option on order	12 Way Stainless Steel Din Rail Mount Splice Box. Size: 140 x 140 x 55mm Modular Design. Separate faceplate options : 12x Duplex LC, 12x Simplex SC and 12x Simplex ST. Faceplate: 4x Cable entry knockouts on top, 2x behind & 1x at the bottom. Easy access clips to hold the pigtail slack	R 950.00
	Fibre Dome Joint KT-V8-2	Vertical Fusion Splice Tray, Pressure Hoop, Silicon Rubber Seal and hang hook. Cables 2 In and 2 Out. Dimensions: Length 440mm, Diameter - 140mm, Max Fibre: 72	R 435.00

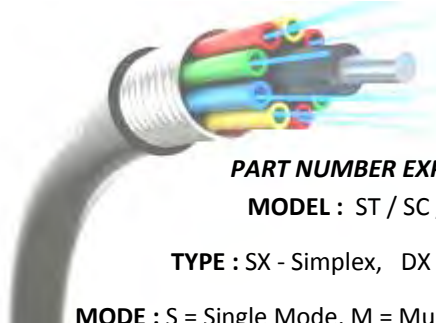


FIBRE - ACCESSORIES

Splicing Tools & Consumables

	34-155C	Kim Wipes, Low Lint	280 sheets per box	R 50.00
	ALCSPRAY	Alcohol Spray - for cleaning fibre cable before splicing	400ml	R 50.00
	CFS2 FIBRE STRIPPER	Fibre Stripping Tool	-	R 380.00
	Splice Protector	Splice protector sleeves are manufactured pre-shrunk in a heat-bonded assembly that consists of three components: An inner tube of EVA hot-melttable adhesive. An outer of heat-shrinkable tubing. A reinforcing strength member	each	R 1.00

Did you know...



PART NUMBER EXPLAINED

MODEL : ST / SC / LC / FC

TYPE : SX - Simplex, DX - Duplex

MODE : S = Single Mode, M = Multi Mode



CABLE CONSTRUCTION TYPES

SIMPLEX - A single fibre cable that may consist of a 900µm coated fibre or a combination of a 900µm coated fibre surrounded by an aramid yarn strength member with an outer jacket diameter varying from 3, 2, 1.8 and 1.6mm

DUPLEX - A two-fibre cable that consists of a combination of 2 two 900 µm coated fibres surrounded by an aramid yarn strength member with an outer jacket diameter varying from 3, 2, 1.8, and 1.6mm.

ADAPTERS & CONNECTORS



PATCH CORDS & PIGTAILS





FIBRE - CONNECTORS & PIGTAILS

CLASS	MODEL	PICTURE		ORDER CODE	PRICE
FIBRE OPTICAL ADAPTERS	ST			FIBR-ADAP-ST-SX S	R 11.00
				FIBR-ADAP-ST-DX S	R 20.00
				FIBR-ADAP-ST-SX M	R 9.00
				FIBR-ADAP-ST-DX M	R 16.00
	SC			FIBR-ADAP-SC-SX S	R 11.00
				FIBR-ADAP-SC-DX S	R 20.00
				FIBR-ADAP-SC-SX M	R 9.00
				FIBR-ADAP-SC-DX M	R 16.00
	LC			FIBR-ADAP-LC-SX S	R 20.00
				FIBR-ADAP-LC-DX S	R 25.00
				FIBR-ADAP-LC-SX M	R 16.00
				FIBR-ADAP-LC-DX M	R 25.00
FIBRE OPTIC CONNECTORS	ST			FIBR-CON-ST	R 40.00
	SC			FIBR-CON-SC	R 40.00
	LC			FIBR-CON-LC	R 84.00

PIGTAILS					
CLASS	MODEL	DESCRIPTION	PICTURE	ORDER CODE	PRICE
UNJACKETED PIGTAILS	ST	ST Single Mode 9/125, 1m		FIBR-1UNJ-ST S	R 25.00
		ST Multi Mode 50/125, 1m		FIBR-1UNJ-ST M	R 25.00
	SC	SC Single Mode 9/125, 1m		FIBR-1UNJ-SC S	R 25.00
		SC Multi Mode 50/125, 1m		FIBR-1UNJ-SC M	R 25.00
	LC	LC Single Mode 9/125, 1m		FIBR-1UNJ-LC S	R 30.00
		LC Multi Mode 50/125, 1m		FIBR-1UNJ-LC M	R 30.00
	FC	FC Single Mode 9/125, 1m		FIBR-1UNJ-FC S	R 28.00
		FC Multi Mode 50/125, 1m		FIBR-1UNJ-FC M	R 28.00



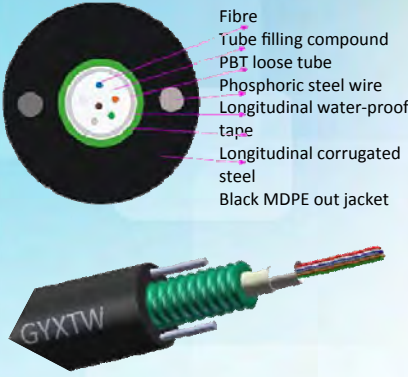
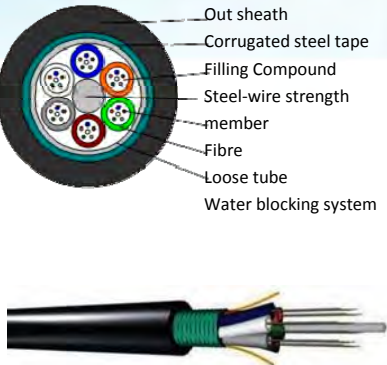
FIBRE - PATCH CORDS

CLASS	MODEL	DESCRIPTION	PICTURE	ORDER CODE (1m)	PRICE
PATCH CORDS	ST-ST	SIMPLEX ST-ST 9/125, Single Mode		FIBR-1MST-ST S SX	R 31.00
		SIMPLEX ST-ST 50/125, Multi Mode		FIBR-1MST-ST M SX	R 30.00
		DUPLEX ST-ST 9/125, Single Mode		FIBR-1MST-ST S DX	R 62.00
		DUPLEX ST-ST 50/125, Multi Mode		FIBR-1MST-ST M DX	R 59.00
	SC-SC	SIMPLEX SC-SC 9/125, Single Mode		FIBR-1MSC-SC S SX	R 31.00
		SIMPLEX SC-SC 50/125, Multi Mode		FIBR-1MSC-SC M SX	R 29.00
		DUPLEX SC-SC 9/125, Single Mode		FIBR-1MSC-SC S DX	R 62.00
		DUPLEX SC-SC 50/125, Multi Mode		FIBR-1MSC-SC M DX	R 59.00
	LC-LC	SIMPLEX LC-LC 9/125, Single Mode		FIBR-1MLC-LC S SX	R 44.00
		SIMPLEX LC-LC 50/125, Multi Mode		FIBR-1MLC-LC M SX	R 43.00
		DUPLEX LC-LC 9/125, Single Mode		FIBR-1MLC-LC S DX	R 89.00
		DUPLEX LC-LC 50/125, Multi Mode		FIBR-1MLC-LC M DX	R 84.00
	ST-SC	SIMPLEX ST-SC 9/125, Single Mode		FIBR-1MST-SC S SX	R 31.00
		SIMPLEX ST-SC 50/125, Multi Mode		FIBR-1MST-SC M SX	R 29.00
		DUPLEX ST-SC 9/125, Single Mode		FIBR-1MST-SC S DX	R 62.00
		DUPLEX ST-SC 50/125, Multi Mode		FIBR-1MST-SC M DX	R 58.00
	ST-LC	SIMPLEX ST-LC 9/125, Single Mode		FIBR-1MST-LC S SX	R 38.00
		SIMPLEX ST-LC 50/125, Multi Mode		FIBR-1MST-LC M SX	R 43.00
		DUPLEX ST-LC 9/125, Single Mode		FIBR-1MST-LC S DX	R 75.00
		DUPLEX ST-LC 50/125, Multi Mode		FIBR-1MST-LC M DX	R 72.00
	SC-LC	SIMPLEX SC-LC 9/125, Single Mode		FIBR-1MSC-LC S SX	R 38.00
		SIMPLEX SC-LC 50/125, Multi Mode		FIBR-1MSC-LC M SX	R 36.00
		DUPLEX SC-LC 9/125, Single Mode		FIBR-1MSC-LC S DX	R 75.00
		DUPLEX SC-LC 50/125, Multi Mode		FIBR-1MSC-LC M DX	R 72.00
	FC-FC	SIMPLEX FC-FC 9/125, Single Mode		FIBR-1MFC-FC S SX	R 38.00
		SIMPLEX FC-FC 50/125, Multi Mode		FIBR-1MFC-FC M SX	R 36.00
		DUPLEX FC-FC 9/125, Single Mode		FIBR-1MFC-FC S DX	R 89.00
		DUPLEX FC-FC 50/125, Multi Mode		FIBR-1MFC-FC M DX	R 84.00
	FC-SC	SIMPLEX FC-SC 9/125, Single Mode		FIBR-1MFC-SC S SX	R 38.00
		SIMPLEX FC-SC 50/125, Multi Mode		FIBR-1MFC-SC M SX	R 36.00
		DUPLEX FC-SC 9/125, Single Mode		FIBR-1MFC-SC S DX	R 75.00
		DUPLEX FC-SC 50/125, Multi Mode		FIBR-1MFC-SC M DX	R 72.00

NOTE: STANDARD LENGTH OF PATCH CORDS ARE 1meter. SHOULD YOU NEED CUSTOM LENGHTS – PLEASE CONTACT US
Ruggedized patch cords available on special request



FIBRE OPTIC CABLE

PICTURE	ORDER CODE	DESCRIPTION	FIBRE COUNT/CORE	PRICE per meter
HEAVY DUTY DUCT - OUTDOOR CABLE				
 Fibre Tube filling compound PBT loose tube Phosphoric steel wire Longitudinal water-proof tape Longitudinal corrugated steel Black MDPE out jacket	GYXTW S Single Mode	Fibre optic GYXTW cable is mainly used in long distance and Local Area Network (LAN) communication. This cable is suitable for duct and aerial applications. This cable has two parallel round steel wires for tension-resistance and crush resistance.	4 fibre 8 fibre 12 fibre 24 fibre 36 fibre 48 fibre 72 fibre	R 7.95 R 8.59 R 9.53 R 11.40 R 14.85 R 17.40 R 22.78
	GYXTW M Multi Mode	Black UV resistant polyethylene outer sheath (1.5mm RT) Ripcord for easy sheath stripping Glass re-enforced plastic centre strength member (GRP) Dry water blocked core Optical fibres ND PBT loose tube (Gel filled)	4 fibre 8 fibre 12 fibre 24 fibre 36 fibre 48 fibre 72 fibre	R 9.82 R 11.66 R 14.00 R 20.06 R 26.30 R 32.50 R 44.90
 Out sheath Corrugated steel tape Filling Compound Steel-wire strength member Fibre Loose tube Water blocking system	GYTS S Single Mode	These corrugated steel tape armoured cables are suitable for installation in aerial or duct environment for long haul communication Suitable for installation in cable trenching.	4 fibre 8 fibre 12 fibre 24 fibre 36 fibre 48 fibre 72 fibre	R 13.90 R 14.50 R 15.47 R 18.39 R 20.80 R 23.44 R 28.74
	GYTS M Multi Mode	Polyethylene sheath 1.5mm RT Corrugated Steel Tape Armouring Polyethylene Colour coded optical fibres PBT loose tube (Gel filled) Aramid yarn for tensile strength PVC bedding sheath	4 fibre 8 fibre 12 fibre 24 fibre 36 fibre 48 fibre 72 fibre	R 15.01 R 16.93 R 19.07 R 25.29 R 31.52 R 37.73 R 50.18
AERIAL ADSS - SHORT SPAN (100m)				
 ADSS 4S ADSS 8S ADSS 12S ADSS 24S ADSS 36S ADSS 48S ADSS 4M ADSS 8M ADSS 12M ADSS 24M ADSS 36M ADSS 48M	SINGLE MODE ADSS 4 S ADSS 8 S ADSS 12 S ADSS 24 S ADSS 36 S ADSS 48 S	UV resistant polyethylene outer sheath Aramid yarn for tensile strength (Optimised for span length) PBT loose tube (Gel filled) Colour coded optical fibres	4 fibre 8 fibre 12 fibre 24 fibre 36 fibre 48 fibre	R 9.26 R 10.00 R 10.92 R 12.85 R 18.02 R 21.26
	MULTI MODE ADSS 4 M ADSS 8 M ADSS 12 M ADSS 24 M ADSS 36 M ADSS 48 M	Glass re-enforced plastic centre strength member (GRP)	4 fibre 8 fibre 12 fibre 24 fibre 36 fibre 48 fibre	R 10.56 R 12.64 R 14.73 R 20.98 R 30.31 R 36.33



WE SUPPLY INDOOR & OUTDOOR FIBRE CABLE - PHONE US NOW FOR A FREE QUOTE

NOTE: ORDERING CABLE EXAMPLE - ORDER CODE (FIBRE COUNT) C - GYXTW S 12C OR ADSS 4 M 4C



FIBRE OPTIC ACCESSORIES

PICTURE	ORDER CODE	DESCRIPTION	PRICE per meter
	DEADEND	Thimble Dead ends 9.2mm – 9.5mm Dead ends (Guy grips) are used for the purpose of attaching ADSS optical fibre cable to support poles or wall brackets. The wire dead ends reduce stress on the cable by lengthening the load surface at the connection point. When the direction of ADSS needs to be diverted, then it is possible to use two dead ends at opposite ends while keeping a looped section of cable between dead ends. Dead ends are manufactured from aluminium-clad steel to achieve high tensile strength and ensure weather resistance. The aluminium clad steel wires are coated with a pliable latex coating. This provides excellent grip to the ADSS cable sheath once the helical wire legs are wrapped closed. A galvanized thimble is included in the eye section to reduce wear on the dead end wires.	R 75.00
	TANGENT	Wire Tangent support 9.2mm – 9.5mm Manufactured from the same materials as the dead ends, these wire tangents are designed to support ADSS cable between anchor points (Dead end	R 60.00
	HOOK- SINGLE	Galvanised Single suspension hooks Designed as intermediately coupling hardware for connecting various suspension hardware components.	R 19.90
	HOOK - DOUBLE	Single and double hook configurations are available. Manufactured from hot dipped galvanized steel Double suspension hooks	R 27.90
	PIGTAIL BOLT	Galvanised pigtail bolts Designed as anchors to poles onto which the dead ends and tangent supports can be attached.	R 27.00



COPPER - NETWORK CABLE

PICTURE	PRODUCT	DESCRIPTION	ORDER CODE	PRICE
	Profinet Industrial Ethernet Cat 5e solid, 2 x 2, PVC ES	Profinet (easy to strip) ES cable for permanent installation 2x2x22A UL listed: CMG & PLTC WG 1 Jacket: Polyvinylchloride (PVC) green 6.5 +/- 0.2mm	L45467-J16-B35	R 22.20/meter
	Profinet Industrial Ethernet Cat 6, 4 x 2 solid, PVC GN	4 x 2 x 24AWG/1 Solid - easy strip , Flame retardant Sunlight resistant , Green PVC jacket	L45467-J15-B15	R 36.90/meter
	Profibus DP, Solid, Violet Easy strip	ES cable for flexible installation (Similar to 1x2x23AWG 19 strip) UL Listed: CMG & CL3 Jacket: Polyvinylchloride (PVC) violet 8.0+/- 0.4mm, Solid Cable	6XV1-830-0EH10	R 12.90/meter
	Profibus PA ES	1 x 2 x 1.3mm ² Multi-strand - easy strip , Flexible installation Flame retardant , Blue PVC jacket	L45467-J21-C35	R 19.20/meter
	Profibus DP, Solid Steel wired Armored	Jacket: Polyvinylchloride (PVC) purple stripes Armour GSWA, galvanised steel wire armour wire (0.9mm) Solid Cable	PB SW CABLE/M	R 35.00/meter
	Device Net Thick	1 x 2 x 1.3mm ² - Thick cable for fixed installation Flame retardant , Sunlight resistant, Oil resistant Grey PVC jacket	1485C-P1-A	R 52.50/ meter
	Device Net Thin	Thin cable for fixed installation Flame retardant , Sunlight resistant, Oil resistant Yellow PVC jacket	1485C-P1-C50	R 32.80/ meter
	AS-Interface	1 x 2 x 1.5mm ² - Chemical & automotive industry Flame retardant, Oil and cut oil resistant, Yellow TPE jacket	L45587-M21-Y139	R 21.50/ meter

COPPER - NETWORK CABLE

PICTURE	PRODUCT	DESCRIPTION	ORDER CODE	LENGTH	PRICE
	Ethernet Cat 5e UTP 4-pair cable	UTP Unshielded twisted 4 pairs category 5 cable (solid) GZ-400. Solid conductor AWG 24/1 for stationary applications. There will be no movement after installation.	UTP4/C5E	Per meter	R 4.29/meter
	Ethernet Cat 5e STP 4-pair cable	Most common transmission medium for LAN's It is comprised of copper wires individually surrounded by a PVC insulation layer and twisted around each in a OM cable 1mm sq.	STP4/C5E	Per meter	R 11.39/meter
	Cat 6A UTP 4-pair cable	CAT6A UTP, Solid Polyolefin insulated fibre + Spline PVC Grey Sheath Application: Installation Cable	UTP4/C6A	Per meter	R 13.62/meter
	Control Net RG6 <i>Shield</i> High Flex Cable	18 AWG;75 Ohm Copper Clad steel conductor foam Polyethylene insulation Dual Shielded to prevent EMI/RFI Interference 120% Aluminium Polyester Foil Shield 60% Tinned Copper Braid	1786-RG6	305 meter drum	R 5,943.00
	Control Net RG6 <i>Quad Shield</i> High Flex Coax Cable	These particular cables are quad-shielded to provide extra protection against undesirable and signal Damaging electromagnetic interference	1786-RG6F	305 mar drum	R 6,521.00
	Modbus Plus Cable	Modbus Plus Cable	BLDN9841	100m	R 13,312.00
	Network Cable	CAT5 cable with RJ45 & boot connector on each side	CAT51M CAT52M CAT55M CAT510M	1m 2m 5m 10m	R 15.00 R 28.00 R 35.00 R 55.00
COPPER - NETWORK CONNECTORS					
	Connector MALE	Available for Cable CAT5 E STP, 5E UTP	RJ45	EACH	R 8.00
	RJ45 Socket FEMALE	Network Socket for wall mount Available for Cable CAT5 E STP, 5E UTP	RJ45 Socket	EACH	R 40.00
	Boot	Available for Cable CAT5 E STP, 5E UTP	RJ 45 BOOT	EACH	R 5.00
	RJ45	INDUSTRIAL CONNECTOR - IE-PS-RJ45-FH-BK	1963600000	EACH	R 288.00



PROFIBUS CONNECTORS

ORDER CODE	ORDER CODE	DESCRIPTION	AGE PRICE (ZAR)	SIEMENS PRICE (ZAR)
	*6ES7972-0BA12-0XA0	Profibus Connector, without PG port, 90 degree	R 185.00	R 715.00
	*6ES7972-0BB12-0XA0	Profibus Connector, with PG port, 90 degree	R 210.00	R 934.00
	*6ES7972-0BA41-0XA0	Profibus Connector without PG Port, 35 degree	R 185.00	-
	*6ES7972-0BB41-0XA0	Profibus Connector with PG Port, 35 degree	R 325.00	-
	*6ES7972-0BB52-0XA0	Profibus DP Connector 90 degrees Fast connect	R 325.00	R 934.00
	*6ES7972-0BA52-0XA0	Simatic DP, Bus Connector for Profibus up to 12 MBI	R 325.00	R 715.00
	*6ES7972-0BB50-0XA0	Profibus DP Connector 90 Degrees Fast Connect with Programming Inter	R 243.00	-
	*6ES7392-1AJ00-0AA0	S7-300 front connector (20 pin)	R 145.00	R 413.00
	*6ES7392-1AM00-0AA0	S7-300 front connector (40 pin)	R 255.00	R 653.00

NOTE: * PREFERRED STOCK ITEM

NETWORK SWITCHES

PICTURE	ORDER CODE	DESCRIPTION	PRICE
	EX42005-00-1-A	5 - port 10/100 Base Fast Ethernet Industrial Unmanaged Ethernet Switches	R 1260.00
	EX42014-1A-1-A	4 port 10/100 Base-TX RJ45 ports and Multimode or Single mode fibre uplink ports plus 1-port 100BASE-FX	R 1,450.00
	EX43026-1A-1-A	6 - port 10/100 Base-TX 2-port 100Base-FX MM SC	R 3,500.00
	EX33142-10B	14 -port 10/100BASE-TX + 2 - port 100 BASE-FX Industrial Unmanaged Switch	R 5,200.00
	EX61800A-00B	8 - port 10/100BASE-TX Hardened Managed Ethernet Switch	R 6,500.00
	EX61620A-10B	6 - port 10/100BASE-TX + 2 - port 100BASE-FX Hardened Managed Ethernet Switch	R 8,260.00
	EX77604-001C	24 - port 10/100BASE-TX + 4 -port Gigabit Managed Ethernet Switch	R 13,000.00
	EX77424-A0VC	16 - port 10/100BASE-TX + 8 SM 20km SC 100BASE-FX + 4 TX / SFP Combo-Gigabit Managed Ethernet Switch	R 28,880.00
	EX-0155TSP-MB5L EX-0155NSP-MB2L-A	100 BASE-LX, 15km 1310nm Duplex LC SFP Module SM 100 BASE-LX, 2km 1310nm Duplex LC SFP Module MM	R 990.00 R 800.00
	EX-1250TSP-MB4L EX-1250TSP-MB2L	1000 Base-LX, 10km 1310nm Duplex LC SFP Module, SM 1000 Base-LX, 2km 1310nm Duplex LC SFP Module, MM	R 1,990.00 R 1,800.00

NOTE: * PREFERRED STOCK ITEM



ETHERNET RADIO'S / ACCESSORIES

PRODUCT / CODE	PICTURE	DESCRIPTION	PRICE
OWL400 Outdoor Compact AP/CPE/ Bridge		Standard: 802.11a/n. Industrial Grade : IP68. Network Interface: 1 x 10/100 (PoE). RF Output Power : US: 200mW, EU: 100mW. Antenna Type : 2 x (N-type). ESSID (Virtual APs) : 6	R 3,000.00
OWL410 Outdoor Compact with Built-in 10dBi Patch Antenna		Standard: 802.11a/n . Industrial Grade : IP68. Network Interface: 1 x 10/100 (PoE). RF Output Power : US: 200mW, EU: 100mW. Antenna Type : Built-in patch. ESSID (Virtual APs) : 6	R 4,500.00
OWL530 Dual-band 802.11n Outdoor Access point 2x2 MIMO radio		Selectable dual-band 2.4/5 GHz. 802.11n 2x2 MIMO supporting up to 300 Mbps. Pole mountable IP68 weatherproof metal housing. 802.3af Power over Ethernet (PoE) compatible. Standalone or centrally managed by 4ipnet WHG Controller. Integrated enterprise-grade, standards-based security. Up to 8 ESSIDs with 802.1Q VLAN. Captive portal and Guest provisioning. Rogue AP detection & Load balancing. Fast Layer 2 Layer 3 roaming.	R 7,500.00
OWL620 Dual-band 802.11n outdoor access point		Concurrent dual-band 2.4/5GHz. 802.11n 2x2 MIMO supporting up to 300 Mbps per radio. Pole mountable IP68 weatherproof metal housing. 802.3af PoE compatible. Standalone or centrally managed by WHG Controller. Integrated enterprise-grade standard-based security. Up to 8 ESSIDs per radio with 802.1Q VLAN. Captive portal and Guest provisioning. Rogue AP detection & load balancing. Fast layer 2 / Layer 3 roaming.	R 8,000.00

ACCESSORIES: ANTENNAS AND CABLE

OMNI Outdoor Antenna

BAND	GAIN	CONNECTION TYPE	ORDER CODE	PRICE
5.1—5.9 GHz	8 dBi	Female	ANT-OD515908	R 660.00
5.1—5.9 GHz	15 dBi	Female	ANT-OD515915	R 1,100.00



PANEL Outdoor Antenna

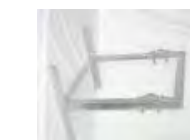
BAND	GAIN	CONNECTION TYPE	ORDER CODE	PRICE
5.1—5.9 GHz	23 dBi	Female	ANT-OD515923	R 1,500.00

Cable

PRODUCT	METER	ORDER CODE	PRICE
1M Low-Loss Cable for Antenna	1m	LC-CFD400L1	R 300.00
2M Low-Loss Cable for Antenna	2m	LC-CFD400L2	R 360.00



MOUNTING ACCESSORIES



PRODUCT	DESCRIPTION	ORDER CODE	PRICE
Single Offset Bracket	Single Offset Bracket 300mm	WM30	R 1,320.00
Aluminium Tubular Pole	3m, Ø50mm, 5mm wt.	MSTALP5053	R 990.00
	5m, Ø50mm, 5mm wt.	MSTALP5055	R 1,702.00
	6m, Ø50mm, 5mm wt.	MSTALP5056	R 2,036.00
Telescopic Mast Kit	13 Meter Telescopic Mast Kit includes:	Guy Kit: CLTRGYKIT50 Mast: RHTRH50	R 8,700.00

LIGHTNING & SURGE PROTECTION

COPPER EARTHING STRAP



ORDER CODE	DESCRIPTION	LENGTH	PRICE
CUS-10	12x0.4MM PERFORATED COPPER	10m roll	R 160.00

EARTH RODS



ORDER CODE	DESCRIPTION	MATERIAL	PRICE
ER1216	1.2M X M16 EARTH ROD. 250 MICRONS COPPER	Copper Plated Steel	R 115.00

ACCESSORIES



ORDER CODE	DESCRIPTION	MATERIAL	PRICE
ERA01	Driving Cap	Case Hardened Steel	R 29.00
ERA02	Driving Tip	Case Hardened Steel	R 26.00
ERA03	Coupling	Brass	R 36.00
ERA04	70mm Clamp	Brass	R 26.00



**NEW
COLLECTION**

ELECTROMAGNETIC FLOW METER



TECHNICAL DATA

Diameter	DN25~DN2600
Electrode Material	316L(stainless steel), HC, HB, Ti, Ta
Type of Fluid	Fluid Liquid with conductive ratio more than 5 $\mu\text{s}/\text{cm}$
Measuring Range	0.1~10m/s (extendable to 15m/s)
Upper Limit of Span	0.5~10m/s. 1~5m/s recommended
Output Signals	4~20mA DC, load $\leq$ 750ohm, 0~3kHz, 5V with source and changeable width. RS485 interface
Accuracy	0.3%, 0.5%, 1.0%
Operation Pressure	1.0MPa, 1.6MPa, 4.0MPa, 16MPa (special)
Fluid Temperature	-20C~80C, 80C~130C, 130C~180C
Ambient Temperature	Sensor -40C~80C. Transducer -15C~50C
Ambient Humidity	$\leq$ 85%RH (at 20C)
Cable Outlet Size	M20x1.5
Power Supply	220VAC $\pm$ 10%, 50Hz $\pm$ 1Hz, 24VDC $\pm$ 10%
Power Consumption	$\leq$ 8W
Protection Ratings	Integral type: IP65. Remote type: sensor IP68, transducer IP65
Materials of Liner	PTFE, soft rubber, hard rubber, PFA etc.
Connection of Flange	National Standard GB9119-8(DIN2051,BS4504)
Earthing Materials	316L (stainless steel), HC, Ti, Ta, Cu

NOMINAL DIAMETER	ORDER CODE	ESTIMATE PRICE
(DN mm)		ZAR
15,20,25	HHD-15/20/25	R 9,890.00
32,40,50	HHD-32/40/50	R 10,200.00
65,80	HHD-65/80	R 11,480.00
100,125	HHD-100/125	R 13,920.00
150	HHD-150	R 15,760.00
300	HHD-300	R 25,900.00
450	HHD-450	R 46,010.00

PERFORMANCE & FEATURES

- Simple construction, no moving parts and long operational life
- No obstructions in the flow, no pressure loss or fluid clogging
- No mechanical inertia, quick response and good stability.
- Measuring accuracy not influenced by physical parameters such as temperature, viscosity, density and pressure.
- Employ Teflon or rubber linings and choice of electrode material such as Hastelloy C, Hastelloy B, 316L, Titanium for different mediums.
- EEPROM memory for safe and reliable protection of memory.
- Integral type flow meters and remote type flow meters.
- LCD back light display



COMPLETE INSTRUMENT CATALOGUE AVAILABLE ON WEBSITE



**NEW
COLLECTION**

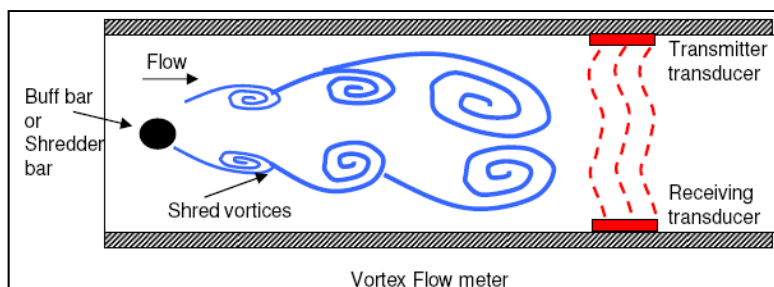
VORTEX FLOW METER



NOMINAL DIAMETER	ORDER CODE	PRICE
(DN mm)		Flange
15,20,25	HLUG-15/20/25	R 13,420.00
32,40,50	HLUG-32/40/50	R 14,920.00
65,80,100	HLUG-65/80/100	R 16,860.00
125	HLUG-125	R 18,600.00
150	HLUG-150	R 22,240.00
200	HLUG-200	R 26,260.00

Specifications

Standard	Q/320831AHH003-2004 JB/T6807-93	
Medium	Gas, liquid, steam	
Diameter	Flange holding (wafer) type	25, 32, 50, 80, 100, 150, 200, 250, 300
	Flange connection type	100, 150, 200, 250, 300
Measuring Range	Normal range of flow speed	Reynold number $1.5 \times 10^4 \sim 4 \times 10^6$; gas 5~50m/s; liquid 0.5~7m/s
	Normal range of flow rate	Liquid, gas flow range-sheet2; steam flow range-sheet 3
Accuracy	Class 1.5	
Temperature	Normal temperature -25 ~100	
	High temperature -25 ~150 -25 ~250	
Output Signal	Pulse voltage output signal	Square wave pulse
	Current remote signal	4 ~ 20 mA, transmission distance 100m
Environmental Conditions	Temperature: -25 ~+55 humidity: 5~90%	
Material	SS, Aluminum Alloy	
Power	24 V DC or lithium battery 3.6V	
Ex	Exd II BT4	
Protection Class	IP65	



COMPLETE INSTRUMENT CATALOGUE AVAILABLE ON WEBSITE



**NEW
COLLECTION**

TURBINE FLOW METER

Part Number **HLWGY-xxx N/A/B/Cn Z/W S/L F/T Tx N/Hnn NP N/EX**

NOMINAL DIAMETER (DN mm)	FLOW RANGE (m ³ /h)	ORDER CODE	PRICE ZAR N	PRICE ZAR A	PRICE ZAR B	PRICE ZAR C
	Liquid		Pulse Out, No Indication	4-20mA Out, No Indication	LCD Display, No Output	LCD Display, 4-20mA Out
4	0.04 ~ 0.25	HLWGY-04	R 4 900.00	R 5 860.00	R 6 520.00	R 6 780.00
6	0.1 ~ 0.6	HLWGY-06	R 4 960.00	R 5 920.00	R 6 580.00	R 6 840.00
10	0.2 ~ 1.2	HLWGY-10	R 5 000.00	R 6 000.00	R 6 640.00	R 6 900.00
15	0.6 ~ 6	HLWGY-15	R 3 200.00	R 3 860.00	R 5 140.00	R 5 400.00
20	0.8 ~ 8	HLWGY-20	R 3 240.00	R 3 900.00	R 5 180.00	R 5 440.00
25	1 ~ 10	HLWGY-25	R 3 440.00	R 4 100.00	R 5 380.00	R 5 600.00
32	1.5 ~ 15	HLWGY-32	R 4 380.00	R 5 040.00	R 6 320.00	R 6 540.00
40	2 ~ 20	HLWGY-40	R 4 700.00	R 5 360.00	R 6 640.00	R 6 900.00
50	4 ~ 40	HLWGY-50	R 4 860.00	R 5 520.00	R 6 800.00	R 7 040.00
65	7 ~ 70	HLWGY-65	R 6 160.00	R 6 800.00	R 7 440.00	R 7 700.00
80	10 ~ 100	HLWGY-80	R 6 640.00	R 7 280.00	R 7 920.00	R 8 120.00
100	20 ~ 200	HLWGY-100	R 7 800.00	R 8 440.00	R 9 080.00	R 9 280.00
125	25 ~ 250	HLWGY-125	R 10 000.00	R 10 640.00	R 11 300.00	R 11 400.00
150	30 ~ 300	HLWGY-150	R 12 640.00	R 13 280.00	R 13 920.00	R 14 200.00
200	80 ~ 800	HLWGY-200	R 17 400.00	R 18 040.00	R 18 680.00	R 18 900.00

Output Signal: Part Number **HLWGY-xxx N/A/B/C***

* ORDER CODE	OUTPUT (ONLY FOR HLWGY-xx-C)	PRICE EXTRA
C1	RS485 (Modbus Protocol)	R 1 140.00
C2	RS485 (HART)	R 1 140.00
C3	pulse frequency signal, low level≤0.8V,high level≥8V	R 640.00



Overview

The HLWGY series Turbine Flow meters have a simple structure, high accuracy, good repetitiveness, fast response time and easy maintenance. It is widely used for liquids which are not corrosive to stainless steel, do not have fibre or particles. The liquid must also have a kinematic viscosity less than $50 \times 10^{-6} \text{ m}^2/\text{s}$

Features

- High accuracy: $\pm 1\%$, $\pm 0.5\%$, $\pm 0.2\%$
- Good repetitiveness: $0.05\% \sim 0.2\%$
- Output of pulse frequency signal, suitable for totalizer and connection with PC; no zero shift and interference resistant
- High frequency signal (3~4 kHz), strong signal resolution
- Turndown: 1:20, 1:10
- Compact structure & easy maintenance



COMPLETE INSTRUMENT CATALOGUE AVAILABLE ON WEBSITE



**NEW
COLLECTION**

ULTRASONIC FLOW METER

Step 1 - Select Type of Meter : Part Number HLS - Wall/Panel/Ex - Inline/Clamp - DNxxx - xxmeters

PART NUMBER	WALL	PANEL	Ex
NAME	Wall Mounted	Panel Mounted	Ex-proof
PICTURE			
PRICE ZAR	R 7 000.00	R 7 000.00	R 9 200.00

Step 2 - Sensor Type and Pipe Size : Part Number HLS - Wall/Panel/Ex
- Inline(CS/SS)/Clamp- DNxxx - xxmeters

DIAMETER	INLINE TYPE SENSOR		CLAMP ON
	CARBON STEEL	STAINLESS STEEL	
DN15	R 5 360	R 5 960	R 2 900
DN20	R 5 360	R 5 960	R 2 900
DN25	R 5 360	R 6 340	R 2 900
DN32	R 5 360	R 7 060	R 2 900
DN40	R 5 360	R 7 360	R 2 900
DN50	R 5 360	R 7 700	R 2 900
DN65	R 5 700	R 8 100	R 3 320
DN80	R 6 000	R 8 720	R 3 700
DN100	R 6 400	R 9 500	R 4 360
DN125	R 7 360	R 9 840	R 4 800
DN150	R 8 160	R 11 500	R 5 800
DN200	R 10 000	R 14 160	R 7 580
DN250	R 11 700	R 17 080	R 9 700
DN300	R 13 600	R 20 400	R 11 740
DN350	R 17 000	R 25 000	R 15 080
DN400	R 23 900	Not Available	R 20 080
DN450	R 26 900	Not Available	R 24 300
DN500	R 31 600	Not Available	R 28 400
DN600	R 44 200	Not Available	R 40 900
DN700	R 59 200	Not Available	R 51 320
DN800	R 72 000	Not Available	R 59 600
DN900	R 83 000	Not Available	R 72 160
DN1000	R 93 000	Not Available	R 80 500

Step 3 - Cable Length: Part Number HLS - Wall/Panel/Ex - Inline(CS/SS)/Clamp- DNxxx - xxmeters

xx = Length of cable
R 38.00

Please Note: xx is the TOTAL Length of both cables
Cost Per Meter





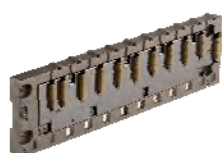
**Schneider
Electric**



PART NO.	DESCRIPTION	sales@age.co.za PRICE
Quantum Unity Processors - Standard		
140CPU31110	UNITY QUANTUM CPU, EMBEDDED ETHERNET, PROGRAM + UN LOCATED DATA: 400KB, CONFIGURATION: 128KB, LOCATED DATA (STATE RAM): 10KB	R 37,885.46
Quantum Unity Processors - High End		
140CPU65150	UNITY QUANTUM CPU, EMBEDDED ETHERNET, PROGRAM + UN-LOCATED DATA: 512KB, CONFIGURATION: 128KB, LOCATED DATA (STATE RAM): 64KB	R 71,043.32
TSXMRPC001M	UNITY: SRAM PCMCIA APP + DATA STORAGE CONFIGURABLE, 1MBPL7: REPLACES TSXMRP0256P	R 16,629.28
Quantum Concept/ProWorX NXT/ProWorX32 Processors		
140CPU43412A	QUANTUM CPU, 2MB, 486DX2, 1 MB+, 2 MB PORT (UNITY OS UPGRADE POSSIBLE, PV04 MINIMUM)	R 87,914.28
Quantum Backplane		
140XBP01000	BACKPLANE, 10 SLOT, 427 MM (16.7")	R 4,877.06
140XBP01600	BACKPLANE, 16 SLOT, 671 MM (26.4")	R 6,376.96
Quantum Power Supplies (New Model)		
140CPS11420	PS 115/230VAC, SUMMABLE, 11A	R 11,042.00
Quantum Remote I/O (RIO) Modules		
140CRP93100	RIO HEAD ADAPTER MODULE, SINGLE CABLE	R 14,205.06
140CRA93100	RIO DROP ADAPTOR MODULE, SINGLE CABLE	R 14,205.06
140CRP31200	QUANTUM RIO DROP E/IP 1 CH	R 17,163.52
140CPA31200	QUANTUM ETHERNET RIO HEAD	R 17,163.52
140CRA31200	QUANTUM ETHERNET RIO HEAD	R 15,603.20
Quantum Ethernet Modules		
140NOE77101	TSX QUANTUM ETHERNET 10/100 BASE T100FX	R 22,200.64
140NOE77111	ETHERNET 10/100 BASE T100FX FACTORY CAST	R 30,904.30
140NOC77101	QUANTUM ETHERNET/IP MODULE	R 21,387.62
TCSEGA23F14F	PROFIBUS REMOTE MASTER	R 14,548.50
Quantum Discrete Inputs		
140DAI54000	16 DI, 115VAC, ISOLATED	R 6,376.96
140DAI74000	16 DI, 230VAC, ISOLATED	R 6,376.96
140DDI35300	32 DI, 24VDC, 4 GROUPS, SINK	R 7,497.38

Quantum Discrete Outputs		
140DAO84210	16 DO, 100-230VAC, 4 GROUPS, 2A/POINT	R 6,755.38
140DRA84000	16 DO, NO, RELAY, 2A/POINT	R 7,497.38
140DDO35300	DISCRETE DC OUTPUT 24V 4 x 8 SOURCE	R 8,997.28
Quantum Analogue I/O		
140ACI04000	AI UNIPOLAR 16 CH HIGH DENSITY CURRENT (MIXED) 14BIT	R 24,020.66
140ATI03000	THERMOCOUPLE INPUT, 8 CHANNEL, TYPES J,K,E,T,S,R,B, AND M VOLT, 16 BIT	R 20,963.62
140ACO02000	AO, 4 CHANNEL, CURRENT, 4-20 MA, 12 BIT	R 14,994.76
140AVO02000	AO, 4 CH, +/-10, +/-5, 0-10, 0-5 VDC, 12 BIT	R 15,286.26
140ACO13000	ANALOG OUTPUT, 8 CHANNEL, CURRENT, 4-20 MA, 12 BIT	R 22,564.22
Quantum Expert I/O		
140EHC20200	HIGH SPEED COUNTER, 2 CHANNEL, 500 KHZ, 8 IN/4 OUT @ 24VDC	R 18,578.62
Quantum Components		
990XCP98000	BATTERY FOR QUANTUM CPU	R 557.56
140XTS00200	40 POINT I/O TERMINAL STRIP CONNECTOR	R 495.02
UNYSPUEFUCD70	UNITY PRO X LARGE (XL), SINGLE LICENSE	R 61,323.12

Modicon M340



PART NO.	DESCRIPTION	PRICE
BMXXBP0800	8 SLOTS BACKPLANE	R 2,162.40
BMXXBP1200	12 SLOTS BACKPLANE	R 3,504.36
M340 Power Supply		
BMXCPS2000	STANDARD AC POWER SUPPLY	R 3,373.98
M340 CPU		
BMXP342020	CPU340-20 MODBUS ETHERNET	R 16,865.66
M340 Digital Modules		
BMXDDI3202K	DIG 32I 24 VDC SINK	R 4,355.54
BMXDDO3202K	DIG 32Q TRANS SOURCE 0.1A	R 5,125.10
BMXDRA0805	DIG 8Q ISOLATED RELAYS	R 2,686.04
M340 Analogue Modules		
BMXAMI0810	ANA 8 U/I IN ISOLATED FAST	R 7,439.08
BMXAMO0802	ANA 8 CURRENT OUT NO ISOL	R 8,010.42
M340 Expert Modules		
BMXEHC0200	HIGH SPEED COUNTER 2 CH	R 6,123.62
M340 Networks		
BMXNOE0100	ETHERNET 10/100 RJ45	R 14,442.50
TCSEGA23F14F	PROFIBUS REMOTE MASTER	R 14,548.50
BMXCRA31210	HIGH PERFORMANCE M340 ETHERNET RIO DROP ADAPTER	R 15,810.96
BMXCRA31200	HIGH PERFORMANCE M340 ETHERNET RIO DROP ADAPTER	R 9,223.06
Modicon M340 20-way FTB Terminal Blocks without Cable		
BMXFTB2000	SCREW TERMINAL STRIP 20 STD. POINTS	R 311.64
Modicon M340 20-way FTB Terminal Blocks and Cables (flying lead) for Discrete I/O		
BMXFTW301	FTB 20 WIRE 3M CABLE	R 458.98
Modicon M340 40-way FCN Connectors and Cables (flying lead) for Discrete I/O		
BMXFCW301	FCN 20 WIRE 3M CABLE	R 458.98
Modicon M340 FTB Terminal Blocks & FCN Connectors with Cables (flying lead) for Analogue I/O		
BMXFTW301S	FTB 20 WIRE 3M SHIELDED CABLE	R 737.76
UNYSPUSFUCD70	UNITY PRO SMALL (S), SINGLE LICENSE	R 9,883.44
USB Programming Cables		
BMXXCAUSBH018	USB GROUNDED CABLE 1M8	R 1,474.46



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Johannesburg

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sales@age.co.za

Rockwell
Automation

ControlLogix



PART NO.	DESCRIPTION	PRICE
POWER SUPPLIES		
1756-PA72	CONTROLLOGIX 120/240 VAC POWER SUPPLY	R 7,280.00
1756-PA75	85 - 265 VAC POWER SUPPLY (5V @ 13A)	R 8,960.00
CHASSIS		
1756-A10	10 SLOT CONTROLLOGIX CHASSIS	R 4,910.00
1756-A13	13 SLOT CONTROLLOGIX CHASSIS	R 5,890.00
1756-A17	17 SLOT CONTROLLOGIX CHASSIS	R 6,960.00
1756-A4	4 SLOT CONTROLLOGIX CHASSIS	R 2,650.00
1756-A7	7 SLOT CONTROLLOGIX CHASSIS	R 4,040.00
CPU'S		
1756-L71	LOGIX 5571 PROCESSOR WITH 2MBYTE MEMORY	R 42,800.00
1756-L72	LOGIX 5572 PROCESSOR WITH 4MBYTE MEMORY	R 62,000.00
1756-L73	LOGIX 5573 PROCESSOR WITH 8MBYTE MEMORY	R 90,000.00
1756-L74	LOGIX 5574 PROCESSOR WITH 16MBYTE MEMORY	R 110,500.00
1756-L75	CONTROL LOGIX 32 MB CONTROLLER	R 146,800.00
DIGITAL INPUTS		
1756-IA16	79-132 VAC INPUT 16 PTS (20 PIN)	R 3,700.00
1756-IA16I	79-132 VAC ISOLATED INPUT 16 PTS (36 PIN)	R 4,650.00
1756-IA32	74-132 VAC INPUT 32 PTS (36P)	R 6,920.00
1756-IB16	10-31 VDC INPUT 16 PTS (20 PIN)	R 2,860.00
1756-IB16I	10-30 VDC ISOLATED INPUT 16 PTS (36 PIN)	R 4,280.00
1756-IB32	10-31 VDC INPUT 32 PTS (36 PIN)	R 3,790.00
DIGITAL OUTPUTS		
1756-OA16	74-265 VAC OUTPUT 16 PTS (20 PIN)	R 5,230.00
1756-OA16I	74-265 VAC ISOLATED OUTPUT 16 PTS (36 PIN)	R 6,530.00
1756-OB16I	10-30 VDC ISOLATED OUTPUT 16 PTS (36 PIN)	R 5,560.00
1756-OB32	10-31 VDC OUTPUT 32 PTS (36 PIN)	R 5,360.00
1756-OW16I	N.O. ISOLATED RELAY OUTPUT 16 PTS (36 PIN)	R 4,990.00



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PART NO.	DESCRIPTION	PRICE
ANALOG INPUTS		
1756-IF16	ANALOGUE INPUT - CURRENT/VOLTAGE 16 PTS (36 PIN)	R 12,500.00
1756-IF4FXOF2F	FAST ANALOGUE 4 CUR-VOLT IN/2 CUR-VOLT OUT (36 PIN)	R 18,600.00
1756-IF6I	ISOLATED ANALOGUE INPUT-CURRENT/VOLTAGE 6 PTS(20PIN)	R 16,600.00
1756-IF8	ANALOGUE INPUT - CURRENT/VOLTAGE 8 PTS (36 PIN)	R 8,530.00
1756-IF8H	ANALOG INPUT W/HART 8PT (36 PIN)	R 10,900.00
1756-IR6I	ISOLATED RTD INPUT 6 PTS (20 PIN)	R 17,200.00
1756-IT6I	ISOLATED THERMOCOUPLE/MV INPUT 6 PTS (20 PIN)	R 21,100.00
ANALOG OUTPUTS		
1756-OF4	ANALOGUE OUTPUT - CURRENT/VOLTAGE 4 PTS (20 PIN)	R 9,580.00
1756-OF6CI	ISOLATED ANALOGUE OUTPUT - CURRENT 6 PTS (20 PIN)	R 20,200.00
1756-OF6VI	ISOLATED ANALOGUE OUTPUT - VOLTAGE 6 PTS (20 PIN)	R 20,200.00
1756-OF8	ANALOGUE OUTPUT - CURRENT/VOLTAGE 8 PTS (20 PIN)	R 16,100.00
COMMUNICATION OPTIONS		
1756-CNB	CONTROL NET BRIDGE MODULE	R 12,200.00
1756-CNBR	CONTROL NET REDUNDANT BRIDGE MODULE	R 17,000.00
1756-DNB	DEVICE NET BRIDGE/SCANNER MODULE	R 9,580.00
1756-EN2F	CLX HI CAPACITY ETHERNET/IP MODULE -FIBRE	R 25,300.00
1756-EN2T	CONTROLLOGIX HIGH CAPACITY ETHERNET/IP MODULE - TP	R 22,400.00
1756-EN2TR	2-PORT CLX HI-CAP ENET/P	R 24,100.00
1756-ENBT	CLX ETHERNET/IP 10/100 BRIDGE MODULE - TWISTED PR	R 16,800.00
SPECIAL MODULES		
1756-HSC	HIGH SPEED COUNTER	R 8,530.00
1756-IR6I	ISOLATED RTD INPUT 6 PTS (20 PIN)	R 17,200.00
1756-IT6I	ISOLATED THERMOCOUPLE/MV INPUT 6 PTS (20 PIN)	R 21,100.00
ACCESSORIES		
1756-TBCH	36 PIN SCREW CLAMP BLOCK WITH STANDARD HOUSING	R 671.00
1756-TBNH	20 POSITION NEMA SCREW CLAMP BLOCK WITH STANDARD HOUSING	R 540.00



PART NO.	DESCRIPTION	PRICE
POWER SUPPLIES		
1769-PA2	120/240 VAC INPUT POWER SUPPLY 2 AMPS @ 5 VDC OUTPUT	R 2,200.00
1769-PA4	120/240 VAC INPUT POWER SUPPLY 4A @ 5V DC, 2A @ 24V DC	R 3,640.00
1769-PB2	24 VDC INPUT POWER SUPPLY 2 AMPS @ 5 VDC OUTPUT	R 2,200.00
1769-PB4	24V DC INPUT POWER SUPPLY: 4A @ 5V DC 2A @ 24V DC	R 3,640.00
CPU'S		
1769-L32E	COMPACTLOGIX ETHERNET PROCESSOR, 750 KBYTE MEMORY	R 24,500.00
1769-L30ERM	COMPACTLOGIX 1MB MEMORY CONTROLLER	R 25,200.00
1769-L35E	COMPACTLOGIX ETHERNET PROCESSOR, 1.5MBYTE MEMORY	R 29,800.00
1769-L33ERM	COMPACTLOGIX 2MB MEMORY CONTROLLER	R 30,000.00
1768-L43	COMPACTLOGIX L43 PROCESSOR WITH 2MB MEMORY	R 30,900.00
1769-L36ERM	COMPACTLOGIX 3 MB MEMORY CONTROLLER	R 35,500.00
1768-L45	COMPACTLOGIX L45 PROCESSOR WITH 3 MB MEMORY	R 46,000.00
DIGITAL INPUTS		
1769-IA16	16 POINT 120 VAC INPUT MODULE	R 2,280.00
1769-IM12	12 POINT 240 VAC INPUT MODULE	R 2,090.00
1769-IQ16	16 POINT 24 VDC SINKING/SOURCING INPUT MODULE	R 1,950.00
1769-IQ32	1769 32 POINT 24VDC INPUT MODULE	R 3,410.00
DIGITAL OUTPUTS		
1769-OA16	16 POINT 120/240 VAC OUTPUT MODULE	R 3,490.00
1769-OB16	16 POINT 24 VDC SOURCING OUTPUT MODULE	R 2,530.00
1769-OB32	1769 32 POINT 24VDC OUTPUT MODULE	R 4,140.00
1769-OW8	8 POINT VAC/VDC RELAY OUTPUT MODULE	R 1,730.00
1769-OW8I	8 POINT VAC/VDC INDIVIDUALLY ISOLATED RELAY OUTPUT MODULE	R 2,370.00
1769-OW16	16 POINT VAC/VDC RELAY OUTPUT MODULE	R 3,230.00

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PART NO.	DESCRIPTION	PRICE
ANALOG INPUTS		
1769-IF16C	1769-IF16C, 16-CH ANALOG CURRENT	R 9,200.00
1769-IF16V	1769-IF16V, 16-CH ANALOG VOLTAGE	R 9,300.00
1769-IF4	4 CHANNEL ANALOGUE CURRENT/VOLTAGE INPUT MODULE	R 3,920.00
1769-IF4I	4 CHANNEL CURRENT/VOLTAGE ISOLATED ANALOG INPUT	R 7,350.00
1769-IF8	8 CHANNEL ANALOG VOLTAGE/CURRENT INPUT MODULE	R 6,270.00
ANALOG OUTPUTS		
1769-OF2	2 CHANNEL ANALOGUE CURRENT/VOLTAGE OUTPUT MODULE	R 3,950.00
1769-OF4CI	4 CHANNEL CURRENT ISOLATED ANALOG OUTPUT	R 8,970.00
1769-OF4VI	4 CHANNEL VOLTAGE ISOLATED ANALOG OUTPUT	R 9,130.00
1769-OF8C	8 CHANNEL ANALOG CURRENT OUTPUT MODULE	R 11,900.00
1769-OF8V	8 CHANNEL ANALOG VOLTAGE OUTPUT MODULE	R 12,000.00
COMBINATION I/O MODULES		
1769-IQ6XOW4	COMBO 6PT 24 VDC SNK/SOU IN, 4PT VAC/VDC RELAY OUT	R 1,970.00
1769-IF4FXOF2F	FAST ANALOG 4 CUR-VOLT IN/2 CUR-VOLT OUT	R 7,690.00
1769-IF4XOF2	4 CHANNEL ANALOGUE INPUT, 2 CHANNEL OUTPUT COMBO LOW RESOL.	R 4,730.00
COMMUNICATION OPTIONS		
1768-ENBT	COMPACT LOGIX ENET/IP BRIDGE MODULE	R 8,840.00
1768-EWEB	COMPACT LOGIX ENHANCED WEB SERVER MODULE	R 12,900.00
1768-CNB	COMPACT LOGIX L4X CONTROL NET BRIDGE MODULE	R 7,580.00
1769-ADN	1769 COMPACT I/O DEVICE NET ADAPTER	R 5,140.00
1769-SDN	DEVICE NET SCANNER FOR 1764 AND 1769 CONTROLLERS	R 6,920.00
SPECIAL MODULES		
1769-HSC	2/4 CHANNEL HIGH SPEED COUNTER/ENCODE MODULE	R 7,210.00
1769-IR6	6 CHANNEL RTD/RESISTANCE INPUT MODULE	R 8,490.00
1769-IT6	6 CHANNEL THERMOCOUPLE/MILLIVOLT INPUT MODULE	R 7,960.00
ACCESSORIES		
1769-ECL	LEFT END CAP/TERMINATOR	R 354.00
1769-ECR	RIGHT END CAP/TERMINATOR	R 274.00



AGE Technologies
Johannesburg

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Fax: (+27) 11 869 6427

sales@age.co.za

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Control & CompactLogix



PART NO.	DESCRIPTION	PRICE
ACCESSORIES - CONTROL NET NETWORK		
1786-TPR	CONTROL NET T-TAP/RIGHT ANGLE	R 932.00
1786-TPS	CONTROL NET T-TAP/STRAIGHT	R 932.00
1786-XT	CONTROL NET 75 OHM TERMINATOR PLUG (SOLD IN LOTS OF 50)	R 75.80
1786-RG6	CONTROL NET RG6 SHIELD HIGH FLEX CABLE-1000FT ROLL	R 5,140.00
PROGRAMMING SOFTWARE		
9324-RLD300ENE	RSLOGIX 5000 STANDARD - CD-ROM	R 27,000.00
9324-RLD600ENE	RSLOGIX 5000 FULL EDITION, ENGLISH	R 48,600.00
9324-RLD700NXENE	RSLOGIX 5000 PRO EDITION, ENGLISH	R 61,000.00

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MicroLogix 1400



PART NO.	DESCRIPTION	PRICE
1766-L32AWA	32 PT ML1400 20x 120VAC IN/12x RELAY OUT	R 7,610.00
1766-L32AWAA	32 PT ML 1400 20x 120VAC IN/12x RELAY OUT/4x ANALOG VOLTAGE IN/2x ANALOG VOLTAGE OUT	R 9,550.00
1766-L32BWA	32 PT ML1400 20x 24VDC IN/12x RELAY OUT	R 7,610.00
1766-L32BWAA	32 PT ML 1400 20x 24VDC IN/12x RELAY OUT/4x ANALOG VOLTAGE IN/2x ANALOG VOLTAGE OUT	R 9,550.00
1766-L32BXB	32 PT ML1400 20x 24VDC IN/6x RELAY OUT/6x FET OUT	R 7,610.00
1766-L32BXBA	32 PT ML1400 20x 24VDC IN/6x RELAY OUT/6x FET OUT/4x ANALOG VOLTAGE IN/2x ANALOG VOLTAGE OUT	R 9,550.00
1766-MM1	ML1400 MEMORY MODULE	R 1,840.00
PROGRAMMING SOFTWARE		
9324-RL0300ENE	RSLOGIX 500 STANDARD CD-ROM	R 17,000.00

SIEMENS S7-1200

SIEMENS


PART NO.	DESCRIPTION	PRICE
LOW LEVEL PERFORMANCE RANGE PLC		
6ES7212-1HE31-0XB0	CPU 1212C, DC/DC/RLY, ONBOARD I/O: 8 DI 24V DC; 6 DO RELAY 2A; 2 AI 0 - 10V DC, POWER SUPPLY: AC 20.4 - 28.8 V DC, MEMORY: 50 KB	R 3,470.00
6ES7214-1HG31-0XB0	CPU 1214C, COMPACT CPU, DC/DC/RELAY, ONBOARD I/O: 14 DI 24V DC; 10 DO RELAY 2A; 2 AI 0 - 10V DC, POWER SUPPLY: AC 20.4 - 28.8 V DC, MEMORY: 50 KB	R 5,250.00
6ES7215-1HG31-0XB0	SIMATIC S7-1200, CPU 1215C, COMPACT CPU, DC/DC/RELAY, 2 PROFINET PORT, ONBOARD I/O: 14 DI 24V DC; 10 DO RELAY 2A, 2 AI 0-10V DC, 2 AO 0-20MA DC, POWER SUPPLY: DC 20,4 -28,8 V DC, PROGRAM/DATA MEMORY: 75 KB	R 7,920.00
DIGITAL I/O		
6ES7221-1BF32-0XB0	SM 1221, 8DI, 24V DC, SINK/SOURCE INPUT	R 1,520.00
6ES7221-1BH32-0XB0	SM 1221, 16 DI, 24VDC, SINK/SOURCE INPUT	R 2,410.00
6ES7222-1HF32-0XB0	SM 1222, 8 DO, RELAY 2A	R 1,520.00
6ES7222-1HH32-0XB0	SM 1222, 16 DO, RELAY 2A	R 2,410.00
6ES7223-1PL32-0XB0	SM 1223, 16DI / 16DO, 16DI DC 24 V, SINK/SOURCE, 16DO, RELAY 2A	R 3,820.00
ANALOG I/O		
6ES7231-4HD32-0XB0	SM 1231, 4 AI, +/-10V, +/-5V, +/-2.5V, OR 0-20 MA 12 BIT + SIGN BIT (13 BIT ADC)	R 3,120.00
6ES7231-5ND32-0XB0	SM 1231, 8 AI, +/-10V, +/-5V, +/-2.5V, OR 0-20 MA 12 BIT + SIGN OR (13 BIT ADC)	R 5,080.00
6ES7232-4HB32-0XB0	SM 1232, 2 AO, +/-10V, 14 BIT RESOLUTION, OR 0-20 MA, 13 BIT RESOLUTION	R 3,300.00
6ES7232-4HD32-0XB0	SM 1232, 4 AO, +/-10V, 14 BIT RESOLUTION, OR 0-20 MA, 13 BIT RESOLUTION	R 5,250.00
COMMUNICATION		
6ES7241-1CH32-0XB0	CM 1241, RS485, 9 PIN SUB D (MALE), SUPPORTS MESSAGE BASED FREEPORT	R 1,779.00
6GK7242-7KX30-0XE0	CP 1242-7 FOR CONNECTION OF SIMATIC S7-1200 TO GSM/GPRS NET	R 9,020.00
6GK7243-5DX30-0XE0	CM 1243-5 FOR CONNECTION OF SIMATIC S7-1200 TO PROFIBUS AS DP MASTER MODULE	R 7,490.00

SIEMENS S7-300

MID LEVEL PERFORMANCE RANGE PLC		
6ES7315-2AH14-0AB0	CPU 315-2DP CPU WITH MPI INTERFACE INTEGRATED 24 V DC POWER SUPPLY 256 KB MEMORY 2. INTERFACE DP-MASTER/SLAVE	R 27,000.00
6ES7315-2EH14-0AB0	CPU 315-2 PN/DP, 384 KB MEMORY, 1. INTERFACE MPI/DP 12MBIT/S, 2. INTERFACE ETHERNET PROFINET, WITH 2 PORT SWITCH,	R 38,100.00
6ES7317-2EK14-0AB0	CPU 317-2 PN/DP, WITH 1 MB MEMORY, 1. INTERFACE MPI/DP 12MBIT/S, 2. INTERFACE ETHERNET PROFINET, WITH 2 PORT SWITCH	R 67,300.00
DIGITAL I/O		
6ES7321-1BH02-0AA0	SM 321, OPT ISOLATED, 16DI, 24 V DC, 1 X 20 PIN	R 2,930.00
6ES7321-1BL00-0AA0	SM 321, OPT ISOLATED 32DI, 24 V DC, 1 X 40 PIN	R 5,890.00
6ES7321-1FH00-0AA0	SM 321, OPT ISOLATED 16 DI, 120/230V AC, 1 X 20 PIN	R 3,770.00
6ES7322-1HF01-0AA0	SM 322, OPT ISOLATED, 8 DO (RELAY), 1 X 20 PIN24V DC, 2A OR 230V AC, 2A	R 2,830.00
6ES7322-1HH01-0AA0	SM 322, OPT 16DO, RELAY CONTACT'S, 1 X 20 PIN	R 6,050.00
6ES7322-1BL00-0AA0	SM 322, OPTICALLY ISOLATED, 32DO, 24V DC, 0.5A, 1 X 40 PIN	R 8,150.00



SIEMENS

SIEMENS S7-300



PART NO.	DESCRIPTION	PRICE
ANALOG I/O		
6ES7331-7KF02-0AB0	SM 331, OPTICALLY ISOLATED, 8AI, RESOLUTION 9/12/14 BITS, U/I/THERMOCOUPLE/ RESISTANCE INTERRUPT, DIAGNOSTICS; 1X20PIN REMOVE/INSERT W. BACKPLANE BUS	R 11,300.00
6ES7331-7PF01-0AB0	SM 331, OPT. ISOL., 2/3/4 WIRE, 8AI, RESISTANCE, PT100/200/100 NI100/120/200/500/1000, CU10	R 13,400.00
6ES7331-7PF11-0AB0	SM 331, OPT ISOLATED, 8 AI THERMOCOUPLE, TYPE B, E, J, K, L, N, R, S, T TXK/TXK (L) ACCORDING GOST 16 BIT, 50 MS, 1 X 40 PIN	R 13,400.00
6ES7332-5HD01-0AB0	SM 332, OPT ISOLATED, 4 AO, U/I; DIAGNOSTICS; RESOLUTION 11/12 BITS, 20 PIN	R 9,370.00
6ES7332-5HF00-0AB0	SM 332, OPT ISOLATED, 8 AO, U/I; DIAGNOSTICS; RESOLUTION 11/12 BITS, 40 PIN	R 17,500.00
MEMORY CARD		
6ES7953-8LJ30-0AA0	S7-300/C7/ET 200, 3.3 V NFLASH, 512 KBYTES	R 3,390.00
6ES7953-8LL31-0AA0	S7-300/C7/ET 200, 3.3 V NFLASH, 2 MBYTES	R 4,860.00
COMMUNICATION		
6GK7342-5DA03-0XE0	CP342-5 FOR CONNECTING SIMATIC S7-300 TO PROFIBUS, DP, S5-COMPATIBLE-, PG/ OP- AND S7-COMMUNICATION	R 15,800.00
6GK7343-1EX21-0XE0	CP343-1 CONNECTING SIMATIC S7-300 TO IND. ETHERNET VIA PROFINET IO, CON TROLLER,ISO, TCP/IP AND UDP, AND WITHOUT RFC, 1006 DIAGNOSTIC EXPANSIONS, MULTICAST, LOADABLE COMMUNICATION BLOCKS SNMP DIAGNOSIS, INITIALIZATION VIA LAN, DHCP, NTP-CPU SYNC, 10/100 MBIT, ONLY RJ45 CONNECTION	R 30,853.00
ET200M		
6ES7153-1AA01-0XB0	SIMATIC DP, ET 200M INTERFACE IM 153-4 PN IO FOR MAX. 12 S7-300 MODULES, EXTENDED FUNCTIONS: ISOCHRONEOUS REALTIME	R 4,960.00
6ES7153-2BA82-0XB0	ET200M NEW FEATURES: 12 MODULES / STATION SLAVE INITIATIVE FOR SWITCHES AND DRIVES EXTENDED DATA FOR HART SECONDARY VARIABLES OPERATION WITH 64PT MODULES EXTENDED TIMESTAMPS WITH 32 SIGNALS / SLOT	R 9,280.00
POWER SUPPLIES		
6ES7307-1EA00-0AA0	PS307 INPUT: 120/230 V AC OUTPUT: 24 V DC/5 A	R 3,357.00
6ES7307-1KA01-0AA0	PS307 INPUT: 120/230 V AC OUTPUT: 24 V DC/10 A	R 4,334.00
CONNECTORS AND RAIL		
6ES7390-1AB60-0AA0	SIMATIC S7-300, RAIL L=160MM	R 353.00
6ES7390-1AE80-0AA0	SIMATIC S7-300, RAIL L=480MM	R 549.00
6ES7392-1AJ00-0AA0	SIMATIC S7-300, FRONT CONNECTOR FOR SIGNAL MODULES WITH SCREW CONTACTS, 20-PIN	R 427.00
6ES7392-1AM00-0AA0	SIMATIC S7-300, FRONT CONNECTOR 392 WITH SCREW CONTACTS, 40-PIN	R 676.00



SIEMENS S7-400

SIEMENS



PART NO.	DESCRIPTION	PRICE
HIGH LEVEL PERFORMANCE RANGE PLC		
6ES7414-3XM05-0AB0	CPU 414-3 CENTRAL PROCESSING UNIT WITH: 2.8 MB WORKING MEMORY, (1.4 MB CODE, 1.4 MB DATA), 1. INTERFACE MPI/DP 12 MBIT/S, 2. INTERFACE PROFI BUS DP, 3. IF IFM MODULES PLUGGABLE	R 100,000.00
6ES7416-2XN05-0AB0	CPU 416-2 CENTRAL PROCESSING UNIT WITH: 5.6 MB WORKING MEMORY, (2.8 MB CODE, 2.8 MB DATA), 1. INTERFACE MPI/DP 12 MBIT/S, 2. INTERFACE PROFIBUS DP	R 140,000.00
6ES7416-3XR05-0AB0	CPU 416-3 CENTRAL PROCESSING UNIT WITH: 11.2 MB WORKING MEMORY, (5.6 MB CODE, 5.6 MB DATA), 1. INTERFACE MPI/DP 12 MBIT/S, 2. INTERFACE PROFIBUS DP, 3. IF IFM MODULES PLUGGABLE	R 192,000.00
DIGITAL I/O		
6ES7421-1BL01-0AA0	SM 421 DIGITAL INPUT MODULE, OPTIC. ISOLATED, 32 DI, 24V DC	R 5,510.00
6ES7421-1FH20-0AA0	DIG. INPUT MOD. SM 421, OPTIC. ISOLATED, 16 DI, 120/230V UC INPUTS PER IEC1131 2 TYPE 2	R 6,070.00
6ES7422-1BL00-0AA0	SM 422 DIGITAL OUTPUT MODULE, OPTIC. ISOLATED, 32 DO, 24V DC, 0.5A	R 8,090.00
6ES7422-1FH00-0AA0	SM 422 DIGITAL OUTPUT MODULE, OPTIC. ISOLATED, 16 DO, 120/230V AC, 2A	R 9,600.00
6ES7422-1HH00-0AA0	SM 422 DIGITAL OUTPUT MODULE, OPTIC. ISOLATED, 16 DO, 5..230V AC, 5A RELAY	R 10,200.00
ANALOG I/O		
6ES7431-0HH00-0AB0	ANALOG INPUT SM 431, NON-ISOLATED 16 AI, RESOLUTION 13 BITS, +/-10V, +/- 20MA, 4 - 20MA 20 MS MODULE UPDATE	R 15,400.00
6ES7431-1KF00-0AB0	SM 431 ANALOG INPUT MODULE OPTIC. ISOLATED, 8 AI, 13 BIT RESOLUTION, U/I/ RESISTANT	R 11,600.00
6ES7431-7KF10-0AB0	ANALOG INPUT SM 431, 8AI; 16 BIT RESOLUTION, RESIST./PT100/ NI100 OPTIC. ISOLATED, DIAGNOSTIC, ALARM, 20 MS MODULE UPDATE	R 16,900.00
6ES7432-1HF00-0AB0	SM 432 ANALOG OUTPUT MODULE OPTIC. ISOLATED, 8 AO, 13 BIT RESOLUTION, U/I	R 18,000.00
POWER SUPPLIES		
6ES7407-0KA02-0AA0	SIMATIC S7-400, POWER SUPPLY PS407: 10A, WIDE RANGE, 120/230V UC, 5V DC/10A	R 11,700.00
6ES7407-0KR02-0AA0	SIMATIC S7-400, POWER SUPPLY PS407: 10A, WIDE RANGE, 120/230V UC, 5V DC/10A, FOR REDUNDANT USE	R 14,700.00
COMMUNICATION		
6ES7441-2AA04-0AE0	CP 441-2 COMMUNICATIONS MODULE FOR POINT TO POINT CONNECTIONS 2 CHANNELS INCL. CONFIG. PACKAGE ON CD	R 33,000.00
6GK7443-1EX20-0XE0	COMMUNICATIONS PROCESSOR CP443-1 FOR CONNECTING SIMATIC S7-400 TO INDUST. ETHERN. VIA ISO, TCP/IP AND UDP, S7-COMM., FETCH/WRITE, SEND/RCV WITH AND W/O RFC1006, MULTICAST	R 47,300.00
6GK7443-5DX04-0XE0	COMMUNICATION PROCESSOR CP443-5 EXTENDED FOR CONNECTION OF SIMATIC S7-400 TO PROFIBUS, DP, S5 COMPATIBLE PG/OP AND S7 COMMUNICATION	R 24,380.00
RACKS AND CONNECTORS		
6ES7400-1JA01-0AA0	UR2 RACK, CENTRALIZED AND DISTRIBUTED WITH 9 SLOTS 2 REDUNDANT PS PLUGGABLE	R 8,110.00
6ES7400-1TA01-0AA0	UR1 RACK, CENTRALIZED AND DISTRIBUTED WITH 18 SLOTS 2 REDUNDANT PS PLUGGABLE	R 15,600.00
6ES7492-1AL00-0AA0	FRONT CONNECTOR FOR SIGNAL MODULES WITH SCREW-TYPE CONTACT, 48-POLE	R 708.00



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SIEMENS S7-400



PART NO.	DESCRIPTION	PRICE
PROGRAMMING SOFTWARE		
6ES7810-4CC10-0YA5	SIMATIC S7, STEP7 V5.5, FLOATING LICENSE FOR 1 USER, E-SW, SW AND DOCU. ON DVD, LICENSE KEY ON USB STICK, CLASS A, 5 LANGUAGES (GE,EN,FR,IT,SP), EXECUTABLE UNDER WINXP/PROF, WINDOWS 7 ULTIMATE, WINDOWS 7 PROFESSIONAL REFERENCE-HW: S7-300/400	R 33,600.00
6ES7822-0AA01-0YA0	SIMATIC STEP 7 BASIC V11 SP2 ENGINEERING-SW, SINGLE LICENSE SW AND DOCU ON DVD, CLASS A, 6 LANGUAGES (GE,EN,IT,FR,SP,CN), EXECUTABLE UNDER WINDOWS XP (32/64 BIT)/WINDOWS 7 (32/64 BIT), FOR CONFIGURATION OF SIMATIC S7-1200, SIMATIC BASIC PANELS	R 6,560.00
6ES7822-1AA01-0YA5	SIMATIC STEP 7 PROF. V11 SP2 ENGINEERING-SW, FLOATING LICENSE SW AND DOCU. ON DVD, CLASS A, LICENSE KEY ON USB STICK, 6 LANGUAGES (GE,EN,IT,FR,SP,CN), EXECUTABLE UNDER WINDOWS XP (32/64 BIT) / WINDOWS 7 (32/64 BIT), FOR CONFIGURATION OF SIMATIC S7- 1200/300 /400/ WINAC, SIMATIC BASIC PANELS	R 41,600.00
	SIMATIC S7, STEP7- MICRO/WIN V4.0, SINGLE LICENSE F.1 INSTALLATION E SW, SW AND DOCU. ON CD, CLASS A, 6 LANG. (G,E,F,I,S,C), EXECUTABLE UNDER WIN2000/XP, WINDOWS 7 (32/64 BIT) REFERENCE - HW: SIMATIC S7-200	R 6,960.00

KVM SWITCHES (INDUSTRIAL GRADE)

KVM EXTENDER - Industrial Grade

The KVM USB Extender is a Keyboard, VGA and mouse extender that can accommodate

- local and/or remote control and
- display functions.

The Sender & Receiver can be up to 300m apart from the other.

The Sender has a local keyboard, VGA and mouse ports that interfaces to the computer.

The receiver has a remote keyboard, VGA and mouse port. The sender and receiver are connected via a single Ethernet Cable.

(CAT5, CAT5E or CAT6)

ORDER CODE: UKVM-300HDU (USB)

PRICE: R 1,800.00

Size	110x110x30mm
Weight:	0.55KG
Input connector	HD15PIN (VGA)
Output connector	HD15PIN (VGA)
Local output	HD15PIN (VGA)
Video standard	VGA , SVGA , XGA, SXGA , UXGA , LCD
Cable standard	CAT5 , CAT5E , CAT6 UTP
Power adapter	DC12V/1A - Power supply unit included
Operational temperature	-25 ~+ 70
Deposited temperature	-40 ~+ 80
Relative humidity	0~95% (non-condensing)
MTBF	>30000 hours



USB EXTENDER - Industrial Grade

USB Extender through computer.

Connects up to 70 meters through a single UTP CAT5 cable.

No external power needed. Easy installation.

- Supports USB 1.1 and USB 2.0 protocol
- Supports plug & play for the USB device

ORDER CODE: USB-1801

PRICE: R 330.00



KVM SWITCH - Industrial Grade

The KVM 4 USB switch allows you to access and control 4 DVI enabled USB multimedia computers.

ORDER CODE: KVM 4 USB

PRICE: R 2,950.00



INDUSTRIAL PC



Model / Order code	MP6-126U	MP6-156U	MP6-176U
Price	R 9,500.00	R 10,500.00	R 11,500.00
Operating Software	4HR-00049	Microsoft Windows 8 Home Basic— 32Bit	R 1,048.00
	FQC-05919	Microsoft Windows 8 Professional—32Bit	R 1,800.00
Display area	TFTLCD 12.1 "	TFTLCD 15.1 "	TFTLCD 17.1"
Resolution	800*600	1024*768	1280*1024
Colour Resolution	262K	16.2M	16.7M
Contrast Radio	250:1	450:1	1000:1
Brightness	150cd/m2	250cd/m2	300cd/m2
Touch Screen	Maple Touch Capacitive Screen (5-point-touch at same time under Windows 7/8)		
VGA Port	DB-15 port	Touch screen Controller	USB/COM (Optional)
DC Adapter	DC12V 5A		
Standard Collocations			
Main board	Intel 1037U	CPU	Intel Celeron Dual core 1.8G
Memory	1x2.5 " SATA II HDD-320G/ SSD-32G	HDD	60G
RS232 Pot	2 UNITS	USB Pot	7 UNITS
Audio interface	AC97 Audio (1 sound input, 1 sound output)	IE1394	2 Units
Network Interface	10/100/1000Mbps high speed Ethernet network (wireless network card optional)		
Operating and Storage Temperature Ranges			
Operation temperature	-10 C° ~ 60 C°	Storage Temperature	-30 C° ~ 80 C°
Others			
Installation	Hanging, Desktop VESA, Mounting Bracket Available for Panel Mount.		
Power Supply	110V ~ 240V AC		
Outline Dimensions	L*W*H (300*246*66)mm	L*W*H (366*286*65)mm	L*W*H (403*300*72)
Weight NET/GW	5.3/6.9kg	6.2/7.6kg	7.0/9.1kg
Panel Mount Kit	12'inch - PMK12 - R400.00	15'inch - PMK15 - R450.00	17'inch - PMK17 - R507.00
Wall Mount Bracket	ORDER CODE: LAXTSPTPC-WMB R 500.00		



INDUSTRIAL MONITOR



Features

- The Aluminium front panel meets IP65 standards for tough working environments
- Optional RS-232 interface touch screen
- Robust chassis and retention kit structure for shock and vibration requirement
- Brightness Over 300cd/m² and 50000hrs MTBF long lifetime panel
- Analog VGA interface supports most general system boards
- M models support 9~36V DC power input for mobile application

PART NO.	DESCRIPTION	PRICE
Display Monitor - 17"inch		
DM-170GS/R-R20	17" 350cd/m ² SXGA LCD monitor, Aluminium front panel, Silver colour W/RS-232 and USB Touch screen, R30, RoHS (IP65)	R 9,950.00
DM-170GMS/R-R21	17" 350cd/m ² SXGA LCD monitor, Aluminium front panel, Silver colour W/RS-232 and USB Touch screen, 9~36V DC input, R30, RoHS (IP65)	R 10,500.00
Display Monitor - 19"inch		
DM-190GS/R-R21	19" 350cd/m ² SXGA LCD monitor, Aluminium front panel, Silver colour W/RS-232 and USB Touch screen, R30, RoHS (IP65)	R 11,350.00
DM-190GMS/R-R22	19" 350cd/m ² SXGA LCD monitor, Aluminium front panel, Silver colour W/RS-232 and USB Touch screen, 9~36V DC input, R30, RoHS (IP65)	R 11,950.00



Package Includes:

- AC power cable
- VGA cable
- User manual
- 1 Touch pen
- 60W AC power adapter
- 36W AC power adapter
- Power cable for terminal block
- Touch screen RS-232 Cable / USB Cable / Driver CDROM



INDUSTRIAL COMPUTER (IP65)

ECW-281BWDW-R10/D2550/2GB	Fan less embedded system with WAFER-CV-D25501, with dual core Intel® Atom™ D2550 1.86G, built-in 802.11 b/g/n 2T2R wireless module, 4 serial ports, with 2GB DDR3 pre-installed SO-DIMM memory, 9~36VDC in, 60W power adapter, black, RoHS. NO HDD	R 8,280.00
72200-WD3200LPVX-RS	2.5" HDD; 2.5"; WD3200LPVX; WD; SATA3(6.0Gb/s); 320GB; 5400RPM BUFFER SIZE: 8MB; CCL; RoHS	R 895.00
LKM-9278GBC-EN-R20	17" LCD Monitor / Keyboard / Mouse / Speaker / KVMA Switch 5-in-1 1U Height Drawer. Colour: Black, Language: English 24VDC power input module	R 14,500.00

Full spec sheets available for download:

www.age.co.za



INDUSTRIAL KEYBOARD & MOUSE



ORDER CODE	DESCRIPTION	PRICE
*SK308	Silicone Keyboard with touchpad and keypad Industrial keyboard with touchpad, rigid and rugged, waterproof and washable, made of silicone. Key layout: 104 keys + 12 function keys, Dimensions: 346(L) x 136(W) x 12(T) mm, Touch pad: 63 x 47 mm, Protection level: IP68, with USB port	R 995.00
SM502	Silicone Mouse Water and chemical-resistant, Sealed in silicone, Durable, Weight: 85g , Dimensions: 90 x 55 x 20mm, Cable length: 1.83m, Operating temperature: 0C up to 70C (32F up to 158F), Resistance: IP 67 with USB port	R 450.00



ORDER CODE	DESCRIPTION	PRICE
*MKB-F86-TB	Desk Mount - Stainless steel keyboard with trackball - USB port	R 3,950.00
*MKB-F86-TP	Desk Mount - Stainless steel keyboard with touchpad - USB port	R 3,950.00
*KMY299B	Panel Mount - Stainless steel keyboard with trackball - USB port	R 3,650.00
*KMY299D-T	Panel Mount - Stainless steel keyboard with touchpad - USB port	R 3,650.00
MTB-38-DT-B	Desktop Metal Trackball - USB port	R 2,050.00

NOTE: * PREFERRED STOCK ITEM



HMI



ORDER CODE	PRICE	INCH	COLOUR	RESOLUTION	DIMENSIONS W x H x D mm	PANEL CUT OUT W x H mm	MEMORY (SDRAM)
PT043	R 5,950.00	4.3"	65k	800 x 480	130 x 106.2 x 37 mm	118.5 x 92.5 mm	32MB
PT070	R 9,750.00	7"	65k	800 x 480	188 x 143.3 x 40 mm	175 x 132.5 mm	64MB
PT100	R 16,250.00	10"	65k	1024 x 600	269.8 x 212 x 38 mm	258.5 x 200.8 mm	64MB
PT150	R 31,950.00	15"	65k	1024 x 768	399.1 x 297.6 x 62.6 mm	384.5 x 283 mm	64MB

Communication Interface	COM1	RS-232/422/485 (DB9 Female)	CPU	RISC 32bits, 200MHz
	COM2	RS-232/485 (5-Pins Plug Connector)	Operating System	HMI RTOS, PM Designer Software
	COM3	RS232 in COM1 pin 7,8	Touch screen	4 wires Analog resistive
	Ethernet (RJ45)	10/100-BaseT	Power Supply Voltage	24VDC
I/O's	USB Client	Yes x1	Operating Temperature	0 ~ 50°C
	USB Host	Yes x1	Warranty	2 Years
	Micro-SD Slot	Yes x1		





HMI



XBTN400



VJDSNDTMSV13M



HMISTO511

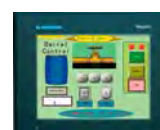


XBTGT5330

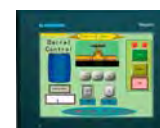
PART NO.	DESCRIPTION	UNIT PRICE
XBTN400	DISPLAY 4X20	R 3,998.32
HMISTO511	TOUCH PANEL SCREEN 3"4 MONOCROME G/O/R	R 1,636.64
HMISTO512	TOUCH PANEL SCREEN 3"4 MONOCROME W/P/R	R 1,636.64
HMISTU655	TOUCH PANEL SCREEN 3"5 COLOUR	R 2,309.74
XBTGT2330	TERM.5"7 TS GRAPH. C.TFT STD. VERS.	R 16,043.10
XBTGT5330	TERM.10"4 TS GRAPH. C.TFT STD. VERS.	R 35,510.00
XBTGT7340	TERM.15" TS GRAPH. C.TFT HIGH END VERS	R 46,554.14
XBTZ945	CONFIGURATION CABLE	R 809.84
XBTZG935	CABLE USB FOR DOWNLOAD	R 1,828.50
HMIGTO1310	3.5" Colour 320x240 TFT, F-Keys, 1 Serial+1 TCP/IP, 96Mb/512Kb	R 5,826.82
HMIGTO2310	5.7" Colour 320x240 TFT, 2 Serial+1 TCP/IP, 96Mb/512Kb + SD card	R 10,012.76
HMIGTO4310	7.5" Colour 640x480 TFT, 2 Serial+1 TCP/IP, 96Mb /512Kb + SD card	R 16,748.00
HMIGTO6310	12.1" Colour 800x600 TFT, 2 Serial+1 TCP/IP, 96Mb/512Kb + SD card	R 28,217.20
VJDSNDTGSV61M	VIJEO DESIGNER, SINGLE LICENCE, NO USB CABLE	R 7,859.90
VJDSUDTGAV61M	VIJEO DESIGNER, SINGLE LICENCE, WITH USB CABLE	R 8,888.10



HMISTU655



XBTGT2330



XBTGT7340



XBTZ945



XBTZG935



HMI

PART NO.	DESCRIPTION	UNIT PRICE
2711P-K4C20D	PVP 400 COLOUR KEY RS232/ ENET DC, PANEL VIEW PLUS 4"inch COLOUR KEYPAD DISPLAY	R 8,820.00
2711P-T6C20D	PV Plus 6"inch COLOUR, TOUCH, ETHERNET, DC PS, Incl. RS232 & USB, 32MB FLASH /64MB RAM	R 18,900.00
2711P-T7C4D9	Graphic Terminal, PANEL VIEW Plus 6, 7"inch TOUCH SCREEN, COLOUR, DC, ETHERNET, RS232, Extended Capabilities	R 27,300.00
2711P-T10C4D9	Graphic Terminal, PANEL VIEW Plus 6, 10"inch TOUCH SCREEN, COLOUR, DC, ETHERNET, RS232, Extended Capabilities	R 35,700.00
2711P-T15C4D9	Graphic Terminal, PANEL VIEW Plus 6, 15"inch TOUCH SCREEN, COLOUR, DC, ETHERNET, RS232, Extended Capabilities	R 52,500.00
9701-VWSTENE	SOFTWARE - RSVIEW Studio for RSVIEW Enterprise	R 22,900.00





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PART NO.	DESCRIPTION	PRICE
BASIC PANELS		
6AV6647-0AD11-3AX0	KTP600 BASIC COLOUR PN, 5,7" TFT DISPLAY, 256 COLOURS ETHERNET INTERFACE CONFIGURATION FROM WINCC FLEXIBLE 2008 COMPACT SP1 OR WINCC BASIC	R 12,000.00
6AV6647-0AF11-3AX0	KTP1000 BASIC COLOUR PN, 10,4" TFT DISPLAY, 256 COLOURS ETHERNET INTERFACE CONF FROM WINCC FLEXIBLE 2008 COMPACT OR WINCC BASIC	R 27,900.00
NEW COMFORT LINE PANELS		
6AV2124-1DC01-0AX0	KP400 COM FORT PANEL, WINDOWS CE 6.0, 4" WIDESCREEN-TFT-DISPLAY, 4 MB USER MEMORY, CONFIGURABLE FROM WINCC V11	R 12,100.00
6AV2124-1GC01-0AX0	KP700 COMFORT PANEL, WINDOWS CE 6.0, 7" WIDESCREEN-TFT-DISPLAY, 12 MB USER MEMORY, CONFIGURABLE FROM WINCC V11	R 22,100.00
6AV2124-0MC01-0AX0	SIMATIC TP1200 COMFORT PANEL, WINDOWS CE 6.0, 12" WIDESCREEN-TFT-DISPLAY, 12 MB USER MEMORY, CONFIGURABLE FROM WINCC V11	R 44,500.00
MULTI PANELS		
6AV6642-0BD01-3AX0	TP177B 4" COLOUR PN/DP TFT 256 COLOR-16:9-DISPLAY, MPI-/PROFIBUS-DP - PROTOCOL RS485-/RS422-/USB - INTERFACE ETHERNET10/100 INTERFACE PRINTER - INTERFACE SLOT FOR MM-CARD CONFIGURABLE WITH WINCC FLEXIBLE 2008	R 12,600.00
6AV6642-0EA01-3AX0	MP 177 6" TOUCH MULTI PANEL W. RETENTIVE MEMORY 5.7" TFT DISPLAY 2 MB CONFIGURING MEMORY, CONFIGURABLE WITH WINCC FLEXIBLE 2008 COMPACT OR HIGHER	R 24,000.00
6AV6643-0CB01-1AX1	MP 277 8" TOUCH TFT MULTI PANEL W. RETENTIVE MEMORY 7.5" TFT DISPLAY 6 MB CONFIGURING MEMORY, CONFIGURABLE WITH WINCC FLEXIBLE 2005 STANDARD SP1	R 42,300.00
6AV6643-0CD01-1AX1	MP 277 10" TOUCH MULTI PANEL W. RETENTIVE MEMORY 10,4" TFT DISPLAY 6 MB USER MEMORY CONFIG: WINCC FLEXIBLE 2005 STANDARD SP1	R 52,500.00
6AV6644-0AB01-2AX0	MP 377 15" TOUCH MULTI PANEL, WINDOWS CE 5.0 15" COLOUR-TFT-DISPLAY 12 MB USER MEMORY CONFIGURABLE FROM WINCC FLEXIBLE 2007	R 79,900.00
HMI CONFIGURATION SOFTWARE		
6AV2100-0AA01-0AA0	WINCC BASIC V11 ENGINEERING-SW, SINGLE LICENSE, SW AND DOCUMENTATION ON DVD, CLASS A, 6 LANGUAGES (GE,EN,IT,FR,SP,CH), EXECUTABLE UNDER WINDOWS XP (32 BIT) / WINDOWS 7 (32 BIT) FOR CONFIGURATION OF SIMATIC BASIC PANELS	R 2,177.00
6AV2101-0AA01-0AA5	WINCC COMFORT V11 ENGINEERING-SW, FLOATING LICENSE, SW AND DOCUMENTATION ON DVD, LICENSE KEY ON USB STICK CLASS A, 6 LANGUAGES (GE,EN,IT,FR,SP,CH), EXECUTABLE UNDER WINDOWS XP (32 BIT) / WINDOWS 7 (32 BIT) FOR CONFIGURATION OF SIMATIC PANELS	R 15,368.00
6AV6612-0AA51-3CA5	WINCC FLEXIBLE 2008 STANDARD ENGINEERING-SW, FLOATING LICENSE KEY ON USB STICK, SW AND DOCUMENTATION ON DVD IN GER/EN/IT/FR/SP/CHS/CHT/KOR/JPN EXEC. UNDER XPPROF/ WINDOWS 7 BUSINESS/ULTIMATE/ ENTERPRISE (32 BIT), FOR CONFIGURATION OF SIMATIC PANELS	R 19,900.00
6GK1571-0BA00-0AA0	PC ADAPTER USB A2 USB-ADAPTER (USB V2.0) FOR CONNECTING A PG/PC OR NOTEBOOK TO SIMATIC S7 USB CABLE 5M INCLUDED CAN BE USED UNDER WINXP/VISTA/ WINDOWS 7 32/64BIT	R 6,800.00





UPS



PSS							
 Preferred Systems Solutions, Inc.		1000 VA		2000 VA		3000 VA	
	ORDER CODE	M910C		M920C		M930C	
	PRICE	R 2,800.00		R 5,000.00		R 6,000.00	
	LOAD (WATT)	700	500	700	500	700	500
	RUNTIME (MIN)	10min	15min	20min	30min	30min	45min
APC							
 by Schneider Electric	ORDER CODE	SURT1000XLI				SURTD3000XLI	
	PRICE	R 8,383.83				R 21,677.11	
	BATTERY PACK	SURT48XLBP				SURT192XLBP	
	PRICE	R 5,265.52				R 9,322.56	
	LOAD (WATT)	700	500	700	500		
	RUNTIME (MIN)	14min	21min	54min	76min		
	+ BATTERY (TOTAL MIN)	69min	98min	187min	263min		
APEC RANGE							
Range of line interactive UPS, Compact size, Auto restart with off-mode charging, Cold start option, Generator compatible							
	ORDER CODE	APEX 1000		APEX 2000		SSPRO3000L	
	PRICE	R 690.00		R 1,590.00		R 5,180.00	
	LOAD (WATT)	600		1200		1800	
	RUNTIME (MIN)	5 - 15 MIN		5 - 15 MIN		5 - 15 MIN	
CYCLONE RANGE							
Series are single phase in/single phase out, IGBT rectifier, high input power factor, low THDI and DSP controlled.							
	ORDER CODE	Cyclone 1000		Cyclone 2000		Cyclone 3000	
	PRICE	R 2,395.00		R 3,885.00		R 4,830.00	
	LOAD (WATT)	800		1600		2400	
	RUNTIME (MIN)	10 - 15 MIN		10 - 15 MIN		10 - 15 MIN	
OPTIMA RANGE							
Microprocessor-based parallel online design with a pure sine wave output, Rack tower design with multiple communication							
	ORDER CODE	OTIMA-1100		OTIMA-2000		OTIMA-3000	
	PRICE	R 3,375.00		R 4,620.00		R 5,995.00	
	LOAD (WATT)	880		1600		2400	
	RUNTIME (MIN)	10 - 15 MIN		10 - 15 MIN		10 - 15 MIN	
SSPRO RANGE							
Pure sine wave output, Microprocessor-based parallel online topology, Adjustable voltage sensitivity, Generator compatible. Network manageable							
	ORDER CODE	SSPRO-1000		SSPRO-2200		SSPRO-3300	
	PRICE	R 2,675.00		R 4,075.00		R 5,135.00	
	LOAD (WATT)	600		1350		2000	
	RUNTIME (MIN)	10 - 15 MIN		10 - 15 MIN		10 - 15 MIN	



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TYPICAL PRICING ON VSD's
ALL BELOW VSD's ARE
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0.75 kW	R 6,600.00
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4 kW	R 8,800.00
7.5 kW	R 12,500.00
15 kW	R 18,300.00
22 kW	R 28,500.00
37 kW	R 54,000.00
55 kW	R 71,000.00
75 kW	R 84,000.00
90 kW	R 93,000.00
110 kW	R 108,000.00
132 kW	R 142,000.00

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- Encoder Modules
- Line & Motor Chokes



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SOFT STARTERS / TRANSFORMERS / DRIVES

SOFT STARTER SOLUTIONS MCC STYLE 3.3kV, 6.6kV, 11kV

Applications: Pumps, Fans, Compressors,
Variable torque loads

Features: Integrated bypass contactor, bypass
mode, power consumption meter (kWh),
remote control via Modbus communication,
fault annunciation, stall protection, current
limit 450%, can be containerized

TYPICAL PRICING

	kW motor	6.6kV
80A	750	R 137,000.00
120A	1100	R 203,000.00
200A	1800	R 344,000.00
250A	2300	R 429,000.00
330A	3000	R 567,000.00
420A	4000	R 724,000.00
550A	5200	R 948,000.00
630A	6000	R 1,086,000.00

SOFT STARTER



TRANSFORMER



RESIN CAST TRANSFORMERS up to 20,000 kVA

Specifications:

Rated Powers up to 20,000 kVA
Rated Frequency 50 Hz or 60 Hz
Rated Primary Voltage up to 36 kV
Rated Secondary Voltage up to 24 kV
Conductor Material AL or CU
Insulation indoor use IP23
Cooling system "AN" (Air Natural)
Vector groups Delta or Star
Screen windings - Insulation class F- F
Ambient 40 Deg C
Altitude 1000m
Temperature rise 100 Deg C
Three phase Temperature controller
Enclosures optional
Fan cooling optional

Features:

Zero Oil
Compact &
Light
No fire Hazard
Safe, Non
Toxic

TYPICAL PRICING

500kVA	R 240,000.00
1000kVA	R 315,000.00
5000kVA	R 950,000.00
10,000kVA	R 1,810,000.00

DRIVES



GEFRAN" AC VARIABLE SPEED DRIVES

Ratings from 1.0 KW up to 1500 kW
Voltages from 220 up to 690V
Non regenerative or Full regenerative
Active front end - Clean Energy return
Open IP 23 or in Cabinets IP44
Input or Output chokes available
Communication cards available
Encoder feed back cards available
Braking Choppers available
Braking Resistors available
I/O Expansion cards available

TYPICAL PRICING ON AC DRIVES 690 Volt

30 kW	R 31,000.00
To 1800 kW	R 1,200,000.00



GEFRAN" DC VARIABLE SPEED DRIVES

Ratings from 20A up to 8800A DC
Voltages from 220V up to 1000V DC
2 Quadrant or 4 Quadrant operation
6 pulse or 12 Pulse operation
Parallel or Series operation
Open IP 23 or in Cabinets IP44
Input chokes available
Communication cards available
Encoder feed back cards available
I/O Expansion cards available

TYPICAL PRICING ON DC DRIVES 700 Volt

25A	R 26,500.00
To 4400A	R 1,100,000.00



MEDIUM VOLTAGE DRIVE SYSTEMS

Voltages 3.3kV - 6.6kV - 11.0 kV
This General Purpose MV AC Variable Speed Drive
system rated for up to 10 MW of power on
voltages up to 11 kV.
The drive is suitable for use with existing or new
ac motors. The flux vector control system
provides stable and accurate torque and speed
control with large energy saving potential. Ideal
for use with Pumps - Fans - Compressors -



**NEW
COLLECTION**

ELECTRIC MOTORS

	SPECS			DESCRIPTION	TYPICAL PRICING
	MODEL	TYPE & POWER RANGE	FRAME & VOLTAGE		
1. 	1. LVSQIM	ACSQIM 355 - 1600 kW	355 - 630 380V - 690V	Squirrel cage induction motor Constant kW Variable Torque motor Enclosure IP 54 - IP 55 Cooling Natural Speeds 2P - 12P	AC MOTORS TYPE YJP 380V-690V 55 kW 6 pole YJP 180 R 75,000.00 to 2000kW 6 POLE YJP 800 R 1,550,000.00
2. 				Squirrel cage induction motor Constant kW Variable Torque motor Enclosure IP 23 - IP 44 - IP 54 Cooling IP IC01 - IC81 Speeds 2P - 24P Insulation class F, Optional H	
3. 	2. MVSQIM	ACSQIM 220 - 12000 kW	355 - 1100 3.3KV - 11KV	Wound Rotor induction motor Enclosure IP 44 - IP 55 Speeds 4P - 10P Insulation class F, Optional H	
4. 	3. LVWR	ACWRIM 4.0kW -800 kW	132 - 450 380V - 690V	Wound Rotor induction motor Enclosure IP0 - IP44 Cooling IP IC01 - IC81 Speeds 4P - 10P Insulation class F, Optional H	
5. 	4. HVWR	ACWRIM 220kW - 2500kW	355 - 1000 3.3KV - 11KV	Constant Torque Variable / Slow speed applications Selected on basis of Torque Enclosure IP0 - IP 23 - IP44 Cooling IP IC01 -IC 06 - IC81 Speeds 4P - 10P Insulation class F, Optional H	
6. 	5. YJP	ACSQIM 15 kW - 1500 kW	80 - 800 380V -690V	OPTIONS: Encoders AC Chokes Tachogenerators DC Choke Heaters Braking Resistors Temp monitors Braking Choppers	
7. 	6.	15- - 400 kW	80 - 400 400v -600V	Compact DC Motors Enclosure IP0 - IP 23 - IP44 Cooling IP IC01 -IC 06 - IC81 Speeds 400- 1500 Insulation class F, Optional H	DC Motor type Z Voltages 400V - 1000V 55 kW Frame Z225 1000 RPM R 86,000.00 to 2000 kW Frame Z800 1000RPM R 1,400,000.
8. 	7.	355 kW - 2500 kW	355 - 1000 400-1000V	Larger DC Motors Enclosure IP0 - IP 23 - IP44 Cooling IP IC01 -IC 06 - IC81 Speeds 300-2000 Insulation class F, Optional H	
	8.	355kW - 5000kW	3.3kV -11kV	Large Motors Enclosure IP0 - IP 23 - IP44 Cooling IP IC01 -IC 06 - IC81 Speeds 6P - 14P Insulation class F, Optional H Power Factor 1.0 - leading PF Energy saving solution	Other sizes and rating to those above available on application



POWER QUALITY METERS



 	PART NO.	DESCRIPTION	PRICE
	BILLING METERS		
	ZxD405CT44.2407	LANDIS & GYR BILLING METER*	R 3,500.00
 	ACCESSORIES		
	P32	P32 (GSM/GPRS , RS485/CS+) FOR REMOTE ACCESS	R 2,785.71
	B2	B2 (RS485, RS485) FOR METER NETWORKING	R 1,135.71
	E22	E22 ETHERNET MODULE	R 2,117.14
	*FREE CONFIGURATION SOFTWARE		
 	ENERGY METERS		
	BASIC METERING		
	PM200MG	Meter PM200 power meter with basic readings, demand, and summary screens	R 2,686.00
	PM200PMG	Meter PM200 power meter with basic readings, demand, and summary screens plus two digital outputs	R 3,633.00
 	PM210MG	Meter PM200 power meter with basic readings, demand, and summary screens plus an RS485 communication port	R 4,4778.00
	MID RANGE METERING		
	PM820MG	Basic instrumentation, THD, alarming, 80 kB logging with integrated display.	R 11,260.00
 	PM850MG	Basic instrumentation, THD, alarming, 800 kB logging, waveform capture with integrated display.	R 19,622.00
	ADVANCED RANGE METERING		
	ION7550	Advanced meter with wide-range voltage inputs (57-347 line-neutral or 100-600V line-line), sag/swell detection, data and waveform recording. Supports ION, Modbus RTU and DNP 3.0 protocols.	On Request
 	ION7650	Advanced meter with wide-range voltage inputs (57-347V line-neutral or 100-600V line-line), transient detection, data and waveform recording. Supports ION, Modbus-RTU, and DNP 3.0 protocols. Optional EN50160 Compliance Monitoring.	On Request

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R11,500.00 excl vat.

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Practical & Theory (2 Days)
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TRAINING MANAGER - GEORGE MULLER

Company Information On Site Maintenance Callout and Service Level Agreements



AGE Technologies provides professional System Integration of Automation and Electrical Engineering projects for Industry. We provide our customers with cost effective solutions by incorporating leading edge products. From concept to design, through to final commissioning and maintenance - AGE is there.

As a technology based company driven by a pioneering spirit which is strengthened by the ability to be independent and innovative, AGE has a legacy of delivering customer specific solutions throughout Sub Saharan Africa and Arabia.

Mission

To provide automation and general electric solutions and products to meet our customer requirements and objectives by operating the company on a sound financial basis of profitable growth, increasing value for our shareholders, and creating career opportunities and financial rewards for our employees.

Vision

AGE aims to become the preferred supplier/partner for total solutions to our customers with a focus on Value, Quality and Functionality. We will continue supporting strong partnerships with the industry's key suppliers to integrate the most efficient solutions to meet our customer's needs.

Our vision is to create a network of companies throughout sub-Saharan Africa that can provide excellence in expertise, service and solutions. The network of AGE companies in Africa is growing rapidly. AGE trains local people to provide support and maintenance thus ensuring a hub of engineering expertise on permanent stand-by throughout Africa.

Working to create efficient solutions

AGE is a company with a wealth of expertise and local support strengthened by the ability to be independent and innovative. We are also authorized suppliers for a number of major industrial automation product manufacturers and therefore are able to integrate the most efficient solutions to meet our client's specifications. This flexibility means we are able to take advantage of innovative technologies and incorporate them into our engineered solutions.

AGE Technologies are authorized system integrators of the complete range of Automation equipment, Electrical Control switchgear and Drives of the following suppliers:

- Services Offered:
- On Site maintenance support
- On Site plant/process optimization
- **24/7 Telephonic Support – 083 288 3365**
- Scheduled Control System Software Recovery Backups
- Hardware Supply and Repairs
- Control System Upgrades
- Turnkey Projects
- Renewable Energy

SIEMENS

Schneider
Electric

ABB

Wonderware

Rockwell
Automation

Citect

Adroit


MITSUBISHI



Allen-Bradley

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- Head Office
- Representatives
- Projects completed outside of RSA

