

LUMEL PRICE LIST January 2010



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PRICE LIST 2010

Analog meters

Valid from 1st January 2010

Type	Description	List Price £
Analogue panel meters		
Moving-iron meters, AC		
<i>Ammeters for C.T. x/1A, x/5A (with interchangeable scales)</i>		
EA16	48 x 48mm	21.94
EA17	72 x 72mm	17.73
EA19	96 x 96mm	19.06
<i>Ammeters for C.T. x/1A, x/5A with fixed scales</i>		
EB16	48 x 48mm	33.91
EA12	144 x 144mm	23.94
<i>Direct ammeters 1...25A with fixed scales</i>		
EB16	48 x 48mm	34.80
EA16	48 x 48mm	22.83
EA17	72 x 72mm	17.73
EA19	96 x 96mm	19.06
EA12	144 x 144mm	26.15
<i>Ammeters 30...100A with fixed scales</i>		
EA17	72 x 72mm	28.15
EA19	96 x 96mm	29.25
EA12	144 x 144mm	41.00
<i>Voltmeters for V.T. x/100V, x/110V, 100V, 500V with fixed scales</i>		
EB16	48 x 48mm	35.46
EA16	48 x 48mm	20.61
EA17	72 x 72mm	17.73
EA19	96 x 96mm	18.62
EA12	144 x 144mm	28.59
<i>Voltmeters with fixed scales</i>		
EB16	48 x 48mm	36.57
EA16	48 x 48mm	21.94
EA17	72 x 72mm	21.28
EA19	96 x 96mm	22.38
EA12	144 x 144mm	33.47
<i>Voltmeters with phase selector switch</i>		
EP27	72 x 72mm	38.12
EP29	96 x 96mm	37.68
Moving-coil meters, DC		
<i>Ammeters for shunts (x/60mV, x/75mV, etc.), for 1mA up to 20mA dc ranges (including 4-20mA)</i>		
MB16	48 x 48mm	43.22
MA16	48 x 48mm	32.58
MA17	72 x 72mm	28.15
MA19	96 x 96mm	29.48
MA12	144 x 144mm	38.34
<i>DC voltmeters up to 1kV</i>		
MB16	48 x 48mm	43.44
MA16	48 x 48mm	33.47
MA17	72 x 72mm	29.70
MA19	96 x 96mm	31.03
MA12	144 x 144mm	40.34
<i>Direct dc ammeters up to 4A</i>		
MB16	48 x 48mm	51.20
MA16	48 x 48mm	35.24
MA17	72 x 72mm	30.81
MA19	96 x 96mm	31.69
MA12	144 x 144mm	40.78



<i>Direct dc ammeters up to 10A</i>			
MB16	48 x 48mm		51.20
MA16	48 x 48mm		35.24
MA17	72 x 72mm		32.80
MA19	96 x 96mm		33.69
MA12	144 x 144mm		42.11
<i>Direct dc ammeters up to 30A</i>			
MB16	48 x 48mm		52.75
MA16	48 x 48mm		37.90
MA17	72 x 72mm		35.46
MA19	96 x 96mm		36.57
MA12	144 x 144mm		44.32
<i>Ammeters and voltmeters with rectifier for AC current</i>			
MA17P	72 x 72mm		41.00
MA19P	96 x 96mm		42.11
MA12P	144 x 144mm		48.09
<i>Slim edgewise meters</i>			
MA1	72 x 24mm		55.85
MA2	96 x 24mm		57.40
Maximum demand ammeters (with interchangeable scales)			
BA27	72 x 72mm, x/1A, 15min, 8 min		29.03
BA27	72 x 72mm, x/5A, 15min, 8 min		30.14
BA39	96 x 96mm, x/1A, 15min, 8 min		31.69
BA39	96 x 96mm, x/5A, 15min, 8 min		32.58
Combined max demand and moving-iron ammeters (with interchangeable scales)			
BE27	72 x 72mm, x/1A, 15min, 8 min		46.32
BE27	72 x 72mm, x/5A, 15min, 8 min		46.32
BE39	96 x 96mm, x/1A, 15min, 8 min		49.64
BE39	96 x 96mm, x/5A, 15min, 8 min		49.64
Frequency meters, measuring ranges for 50Hz, 60Hz, 150Hz, 200Hz, 400Hz			
CA37	72 x 72mm		49.64
CA39	96 x 96mm		55.85
CA32	144 x 144mm		62.05
Power factor meters, range 0.5-1-0.5, 1-phase or 3-phase (3 or 4-wire, balanced load)			
FA39	96 x 96mm		65.16
FA32	144 x 144mm		86.43
Power meters, active or reactive power			
PA39	96 x 96mm, 1-phase active power		77.57
PA39	96 x 96mm, 3-wire, 3-phase, unbalanced load		95.30
PA39	96 x 96mm, 4-wire, 3-phase, unbalanced load		104.16
Extra charges for analogue meters			
Scale	EA16, MA16		1.33
Scale	EA17, MA17, BA27, BE27		1.99
Scale	EA19, MA19, BA39, BE39		2.22
	6-times overload for EA19, EA17 ammeters		3.55
	Adjustable red pointer for EA17, EA19, MA17, MA19		4.43
	High temperature version (HTV) - EA17, EA19		2.22
	Tropical version (for high humidity) - except for MA1, MA2		2.22
	IP54 for EA17, EA19, MA17, MA19, PA39, FA39, CA39		2.22
	Version similar to marine for EA17, EA19, MA17, MA19, PA39, FA39, CA39		2.22
	Non-standard working position (other than c3)		4.43
	IP65 for EA17, EA19, MA17, MA19, MA17P, MA19P, PA39, CA37, CA39, FA39		6.65
	IP65 for EA16, MA16		8.86
	Black scale with yellow marking		11.08
	Scale with non-standard range		11.08
Extra information			
	Quality inspection certificate	+5%	+5%
(*)	New product under development (not available yet)		
(l)	The product is available only until stock runs out.		
(p)	The product is configurable using free LPConfig software.		



PRICE LIST 2010

Shunts

Valid from 1st January 2010

Type	Description	List Price £
Shunts		
B2 shunts x/60mV, class 0.5		
B2	1A, 1.5A, 2.5A, 4A, 6A, 10A, 15A, 25A (with insulating base)	19.95
B2	40A, 60A, 100A, 150A (without insulating base)	19.95
Extra charges:	Insulating base (40..150A)	2.22
B2	250A	37.68
B2	400A	42.11
B2	600A	51.20
B2	1kA	70.92
B2	1.5kA	101.95
B2	2.5kA	126.33
B2	4kA	219.41
B2	6kA	487.57
B2	10kA	780.12
B2	15kA	1041.64
B3 shunts x/150mV, class 0.5		
B3	1A, 1.5A, 2.5A, 4A, 6A, 10A, 15A, 25A (with insulating base)	27.70
B3	40A, 60A, 100A, 150A	48.09
B3	250A	97.51
B3	400A	101.95
B3	600A	135.19
B3	1kA	208.33
B3	1.5kA	299.19
B3	2.5kA	381.19
B3	4kA	598.39
B3	6kA	875.42
B3	10kA	1526.99
B3	15kA	1959.16
B4 shunts x/50mV, class 0.5		
B4	1A, 1.5A, 2.5A, 4A, 6A, 10A, 15A, 25A (with insulating base)	25.49
B4	40A, 60A, 100A, 150A (without insulating base)	25.49
Extra charges:	Insulating base (40..150A)	2.22
B4	250A	48.09
B4	400A	52.75
B4	600A	62.05
B4	1kA	88.65
B4	1.5kA	128.54
B4	2.5kA	159.57
B4	4kA	365.68
B4	6kA	509.74
B4	10kA	968.50
B4	15kA	1212.29
B5 shunts x/75mV, class 0.5		
B5	1A, 1.5A, 2.5A, 4A, 6A, 10A, 15A, 25A (with insulating base)	22.61
B5	40A, 60A, 100A, 150A (without insulating base)	35.46
Extra charges:	Insulating base (40..150A)	2.22
B5	250A	63.61
B5	400A	68.70
B5	600A	90.87
B5	1kA	121.89
B5	1.5kA	172.87
B5	2.5kA	292.54
B5	4kA	394.49
B5	6kA	520.82
B5	10kA	1037.20
B5	15kA	1316.45



B6 shunts x/100mV, class 0.5			
B6	1A, 1.5A, 2.5A, 4A, 6A, 10A, 15A, 25A (with insulating base)		22.16
B6	40A, 60A, 100A, 150A		28.81
B6	250A		57.40
B6	400A		62.05
B6	600A		82.00
B6	1kA		110.81
B6	1.5kA		159.57
B6	2.5kA		243.79
B6	4kA		452.11
B6	6kA		607.25
B6	10kA		1026.12
B6	15kA		1307.58
Extra information			
	Quality inspection certificate	+5%	+5%
(*)	New product under development (not available yet)		
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PRICE LIST 2010

Digital meters, Bargraphs, Large-size displays

Valid from 1st January 2010

Type	Description		List Price £
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Digital panel meters

Digital panel meters with 2 OC outputs configurable via PD14

N20 (p)	Input: DC current, DC voltage, temperature, Display: red + green + orange		101.95
N20Z (p)	Input: AC current, AC voltage, frequency, Display: red + green + orange		106.38
Extra charges (for N20, N20Z):	Configuration of parameters acc. to customer's request		13.30
PD14	Programmer unit for P11H, P11T, P12 (all types), N20 and N20Z - for USB		55.85

Digital panel meters with limited programming possibility using PD14

N24	Versions: S, T, H, Z with 4-digits red display		70.92
N25	Versions: S, T, H, Z with 5-digits red display		75.35
Extra charges	Supply 80-253Vac/dc or 20-40Vac/dc		24.38
	Configuration of parameters acc. to customer's request		6.65
PD14	Programmer unit for Lumel products - for USB		55.85

Rail mounted digital meters

N17Z	Input: AC current (1A or 5A), AC voltage, frequency; Display: red or green		77.57
Extra charges:	Input: 10A		19.95
	Supply 24V d.c.		35.46

Programmable digital panel meters with 2 relays, analog output and interface

N12B	Indicator for synoptic panels		146.27
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Programmable digital panel meters

N30U (*) (p)	Input: temperature sensors and standard signals (successor of N11T, N11S, N12T, N12S)		152.92
N30H (*) (p)	Input: dc signals (successor of N11H, N12H)		152.92
N30O (*) (p)	Input: rotations, frequency, period, pulses (successor of N11O, N12O)		152.92
N30P (*) (p)	Input: 1-phase network parameters (successor of N11P, N12P)		166.22
Extra charges:	RS485 interface, analog output and 2 change-over relays		70.92
	RS485 interface, analog output, pulse output and 2 change-		88.65

Programmable digital panel meter with universal input

NA3 D	96 x 24mm, universal input (dc voltage and current, temperature)		183.95
Extra charges:	RS-485 interface		55.85
	Analog output		33.24
	2 relays		26.59



Digital meters with bargraph			
Digital panel meters with multicolour bargraph			
NA3 B	96 x 24mm, universal input, one-channel, with 3-colour bargraph		208.33
NA3 F	96 x 24mm, universal input, one-channel, with 3-colour bargraph and digital display		221.62
Extra charges (for NA3):	7-colour bargraph		48.09
	RS-485 interface		55.85
	Analog output		33.24
	2 relays		26.59
	2 OC outputs		15.51
NA5	48 x 144mm, universal input, 1-channel, with 3-colour bargraph		312.49
NA6	48 x 144mm, universal input, 2-channels, with 3-colour bargraph		339.09
Extra charges (for NA5, NA6):	7-colour bargraph / per channel		48.09
	RS-485 interface		55.85
	Analog output		46.54
	Blue digital display / per channel		44.32
	4 relays		48.09
	8 OC outputs		44.32
Digital panel meters with bargraph indicator			
<i>1-channel meters 36 x 144mm, fluorescence bargraph, input: DC voltage and current, temperature</i>			
NA21	1 relay / channel		365.68
NA21	2 relays / channel		383.41
Extra charges (for NA21):	Analogue output		33.24
	RS-485 interface		55.85
<i>2-channel meters 36 x 144mm, LED bargraph, input: DC voltage and current, temperature</i>			
NA22	1 relay / channel		356.82
NA22	2 relays / channel		374.55
Extra charges (for NA22):	Analogue output		33.24
	RS-485 interface		55.85
Large-size displays			
Digital displays			
<i>DL, digit height 100mm</i>			
DL1	4-digit display		720.28
DL1	2 x 4-digit display		919.74
Extra charges (for DL1):	One yellow row		66.49
	Two yellow rows		132.97
DL21 (p)	3-digit 3-color display		520.82
DL11	3-digit display		520.82
Extra charges:	Yellow display		55.85
DL12	2 x 3-digit display		687.04
Extra charges:	Yellow display in one row		55.85
DL13	3 x 3-digit display		864.34
Extra charges:	Yellow display in one row		55.85
<i>DN1, digit height 100mm, red or green</i>			
DN1	2-digit display		709.20
DN1	3-digit display		797.85
DN1	4-digit display		886.50
DN1	5-digit display		975.15
DN1	2 x 2-digit display		886.50
DN1	Clock display		1063.80
DN1	2 x 3-digit display (2 rows)		1152.45



<i>DN2, digit height 200mm, red or green</i>			
DN2	2-digit display		831.09
DN2	3-digit display		952.99
DN2	4-digit display		1108.12
DN2	5-digit display		1241.10
DN2	2 x 2-digit display		1108.12
DN2	Clock display		1263.26
DN2	2 x 3-digit display (2 rows)		1540.29
<i>DN3, digit height 300mm, red or green</i>			
DN3	2-digit display		930.82
DN3	3-digit display		1085.96
DN3	4-digit display		1241.10
DN3	5-digit display		1418.40
DN3	2 x 2-digit display		1241.10
DN3	Clock display		1418.40
DN3	2 x 3-digit display (2 rows)		1728.67
DN3	Clock and temperature (alternately every 10 sec.)		2659.49
<i>Extra charges for DN displays</i>			
	IP65 option	+20%	+20%
	Temperature and/or humidity measurement (P18)		115.24
	Pulses measurement (P12O)		208.33
	Clock		398.92
	Standard d.c. signals measurement (P12U)		223.84
	Standard d.c. signals measurement (SM1)		132.97
	1-phase network parameters measurement (P12P)		219.41
Clock displays			
DLZ (p)	Digit height 100mm, red display		687.04
DZ2 (p)	Digit height 200mm, red display		1775.21
DZ3 (p)	Digit height 300mm, red display		2016.78
Extra charges (for DZ2, DZ3):	Yellow display		299.19
	Green display		299.19
Alphanumeric displays			
DA1	2 rows x 20 characters, red or green, RS232 or RS485		1374.07
DA1	3 rows x 24 characters, red or green, RS232 or RS485		1983.54
DA1	16 x 120 points, red or green, RS232 or RS485		1507.05
DA1	32 x 144 points, red or green, RS232 or RS485		2327.06
Extra charges (for DA1):	Display with yellow diodes		110.81
	Light sensor		55.85
DA2	16 x 120 points, red display, RS485 interface		2460.03
Extra charges:	Display with green diodes		310.27
	Display with yellow diodes		177.30
	Remote control		88.65
DAZ1	Outdoor display 128 x 32 pixels, version with a controller		3811.94
DAZ1	Outdoor display 128 x 32 pixels, version without a controller		3612.48
Extra information			
	Quality inspection certificate	+5%	+5%
(*)	New product under development (not available yet)		
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(p)	The product is configurable using free LPConfig software.		



PRICE LIST 2010

Power analyzers, Energy meters, Synchronizing units

Valid from 1st January 2010

Type	Description		List Price £
Network parameters analyzers			
N10	144 x 144 mm, 3-phase, with 1 analogue output, 3 relays		764.60
N10A	144 x 144 mm, 3-phase, with 3 analogue outputs, 1 relay		802.28
N13	96 x 96 x 70.5 mm, 3-phase, without analogue output, 1 relay		476.49
Extra charges (for N10, N10A, N13):	Analogue output (N13)		37.68
	RS-485 interface		55.85
N14 (p)	96 x 96, 3-phase, 1 relay, RS-485 interface		232.71
ND1	144 x 144 mm, 3-phase analyzer/recorder with touch screen, 6 relays, 4 analog outputs, 12 logic inputs, Ethernet, USB, RS485 interface, 4GB CF card		3240.15
Network parameters transducer-analyzer			
P43 (p)	Programmable transducer of 3-phase network parameters, 2 analog outputs, 2 relays, 1 pulse output, RS485, USB		434.38
P10	Programmable transducer of 3-phase network parameters, 4 outputs: 0/4...5/10/20mA, Measurement and calculation of 52 parameters		642.71
P10A	Programmable transducer of 3-phase network parameters, 4 outputs: \pm 5mA (0...5mA), Measurement and calculation of 52 parameters		709.20
Extra charges (for P10, P10A):	RS-485 interface		55.85
Power transducers and meters			
	More power transducers and 1-phase transducers, please, find in Transducers tab page.		
	1-phase digital meters, please, find in Digital tab page.		
Clamp-on meters			
NC8	Clamp-on network parameters meter		390.06
Energy meters (kWh meters)			
LS1.1	1-phase electronic energy meter with optical port		70.92
EM03	3-phase electronic energy meter with optical port		170.65
Extra charges (for LS1.1, EM03):	RS485 or RS232 interface		24.38
	OC output		6.65
Power energy electronics			
	Power controllers are listed in Controllers tab page.		
Synchronizing units			
KS3 1	Digital unit with digital display and 2 relays		656.01
KS3 2	Digital unit with bargraph display and 2 relays		656.01
Extra charges (for KS3):	RS-485 interface		55.85
Extra information			
	Quality inspection certificate	+5%	+5%
(*)	New product under development (not available yet)		
(!)	The product is available only until stock runs out.		
(p)	The product is configurable using free LPConfig software.		



PRICE LIST 2010		
Screen and paper recorders		
		<i>Valid from 1st January 2010</i>
Type	Description	List Price £

Recorders		
Screen recorders		
KD8	Touch-screen recorder with 3 universal measuring inputs, USB, KD Connect software and 1GB card	1817.32
Extra charges:	3 additional universal measuring inputs (total 6 inputs)	93.08
	6 relays + 4 logic inputs (for 3-channel recorder only)	177.30
	12 relays + 8 logic inputs (for 6-channel recorder only)	343.52
	PC software for KD8 (Setup + Archive)	186.16
0923-611-191	Memory card 4GB	55.85
KD7	Touch-screen recorder with RS-485 input, USB, KD Connect software and 1GB card (without measuring inputs)	1861.65
Extra charges:	6 standard measuring inputs (fixed range acc. to ordering code)	232.71
	6 universal programmable measuring inputs	387.84
	3 universal programmable measuring inputs	277.03
	8 relays + 8 OptoMOS outputs	248.22
	8 logic inputs + 4 analogue outputs	279.25
	Ethernet + RS-485 (Slave)	139.62
	Ethernet + RS-232	139.62
	Mathematic functions	186.16
	PC software for KD7 (Setup + Archive)	186.16
0923-611-191	Memory card 4GB	55.85
ND1 (*)	144 x 144 mm, 3-phase analyzer/recorder with touch screen, 6 relays, 4 analog outputs, 12 logic inputs, Ethernet, USB, RS485 interface, 2GB CF card	3,240.15
Paper recorders		
KR7	1 channel microprocessor-based pen recorder	981.80
Extra charges:	Printer	159.57
	Analog output	35.46
	2 relays	24.38
	2 logic inputs	19.95
	SETUP program	24.38
KE8	6 channel programmable dot recorder	1657.75
Extra charges:	Alarms	150.70
	ACJC attachment	150.70
	Lumel-Leonardo archivization software	48.09
Accessories for paper recorders		
1103-130-B47	Pen for KR5A – red, blue, green (aprox. enough for 1000 m. long line)	12.85
1103-130-B48	Pen for KR7 – blue recording pen (aprox. enough for 1000 m. long line)	12.85
2803-130-221	Pen for KR7 – blue pen for printing head	16.62
1803-130-001	Rolled paper 16 m. long (KR5A, KR7, KE8)	2.44
1803-130-003	Rolled paper 32 m. long (KE8)	12.19
1803-130-002	Z-folded paper 16 m. long (KR5A, KR7, KE8)	12.63
	Head for KE8 recorder (enough for 750,000 points / 1 colour)	55.85
	Printing mechanism for KE8 recorder	195.03
	Scale for KR7 and KR5A recorders	5.10



Extra information			
	Quality inspection certificate	+5%	+5%
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PRICE LIST 2010

Transducers

Valid from 1st January 2010

Type	Description		List Price £
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Transducers			
Transducers P20 type (without LCD display and without function keys)			
P20 (p)	Programmable transducer of DC current, DC voltage and temperature (successor of P11T)		168.43
P20H (p)	Programmable transducer of DC current or DC voltage, with analog output or RS485 interface		141.84
Extra charges (for P20H):	Configuration of parameters acc. to customer's request		6.65
P20Z	Transducer of AC current and voltage (successor of P11Z)		115.24
Current-loop supplied transducer			
P17	Temperature transducer		57.40
Separators			
P17G	Passive separator 0-20mA/0-20mA or 4-20mA/4-20mA		52.75
P11G	Separator/transducer of standard signals		137.41
P20G (p)	Programmable separator/transducer of standard signals		115.24
Extra charges (for P20G):	Configuration of parameters acc. to customer's request		6.65
Power transducers			
P11P	Transducer of 1-phase active power		177.30
P13P	Transducer of 3-phase (3-wire, balanced load) active power		177.30
P13B	Transducer of 3-phase (3-wire, balanced load) reactive power		177.30
P33P (!)	Transducer of 3-phase (3-wire, unbalanced load) active power		243.79
P33B (!)	Transducer of 3-phase (3-wire, unbalanced load) reactive power		243.79
P34P (!)	Transducer of 3-phase (4-wire, unbalanced load) active power		277.03
P34B (!)	Transducer of 3-phase (4-wire, unbalanced load) reactive power		277.03
P43 (p)	Programmable transducer of 3-phase network parameters, 2		434.38
PD13	Programmer unit for P33 and P34 (configures transformer ratios) - for LPT		33.24
Transducers P12 type (with LCD display, function keys, 2 relay outputs, RS-485, galvanic isolation)			
P12H	Transducer of DC current and DC voltage		217.19
P12O	Transducer of frequency, impulses period and rotational speed		208.33
P12U	Transducer of temperature, DC current and voltage		223.84
P12P	Transducer of 1-phase network parameters		219.41
	P12 transducer without display		-11.08
Programmer for transducers P20, P20H, P20G and P12 series			
PD14	Programmer unit for P11H, P11T, P12 (all types), N20 and		55.85
Combined temperature and humidity transducers			
P18 (p)	Transducer with RS-485 output		115.24
P18L	Current loop supplied transducer		104.16
Extra charges (for P18, P18L):	Two analog outputs (only P18)		13.30
0874-490-016	Membrane filter		57.40
0874-490-015	Teflon filter		108.60
0874-490-014	Sintered bronze filter		51.20
Extra information			
	Quality inspection certificate	+5%	+5%
(*)	New product under development (not available yet)		
(!)	The product is available only until stock runs out.		
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PRICE LIST 2010

Process controllers, Power controllers

Valid from 1st January 2010

Type	Description	List Price £
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Controllers		
Controllers with constant-value control		
RE71	48 x 48mm, temperature input, 1 output	79.78
RE81 (p)	48 x 96mm, temperature input, 2 outputs	128.54
Controllers with constant-value control		
RE22	48 x 48mm, 1 output	86.43
RE26	48 x 48mm, 1 output	119.68
Extra charges:	Supply voltage 20...40V	11.08
	Additional output	11.08
RE18	48 x 96mm, 2 outputs, valve control	146.27
RE20 (p)	48 x 48mm, 1 output, 1 logic input	179.52
Extra charges:	Main analog output	19.95
	Additional output (relay or binary output)	6.65
	Additional analog output	22.16
	RS485 interface	33.24
	Supply 20...40V ac/dc	6.65
Controllers with program following control		
RE23	48 x 48mm, 1 output	108.60
RE15 (p)	48 x 96mm, 4 outputs, valve control	210.54
Extra charges (for RE15):	Continuous output	33.24
	Supply voltage 24V ac/dc	28.81
	RS485 interface	55.85
	Additional input	51.20
Dual-loop controllers		
RE19-P	2-channel controller for constant-value and program following control, 4 outputs, 2 logic inputs	305.84
RE19-V	2-channel controller for valve control, 4 outputs, 2 logic inputs	305.84
Extra charges (for RE19):	Continuous output	33.24
	Supply voltage 24V ac/dc	28.81
	RS485 interface	55.85
	Additional input	51.20
Controllers with analogue settings		
RE55	96 x 96mm, 1 output	86.43
Extra charges:	Configurable version with buttons and an alarm output	62.05
Rail-mounted controllers		
RE60	45 x 120mm, 1 output	95.30
Extra charges:	1 alarm relay	11.08
	2 alarm relays	22.16
	Supply voltage 110Vac, 24Vac, 18..72Vdc	33.24



Controllers for injection moulds with heated channels			
SR11 11	System with 1 controller		356.82
SR11 32	System with 2 controllers		720.28
SR11 33	System with 3 controllers		1039.42
SR11 64	System with 4 controllers		1402.88
SR11 65	System with 5 controllers		1777.43
SR11 66	System with 6 controllers		2096.57
SR11 87	System with 7 controllers		2460.03
SR11 88	System with 8 controllers		2781.39
Extra charges (for SR11):	RS-485 interface for one controller		55.85
<i>Accessories</i>			
BR11	Controller for SR11 systems		443.25
Extra charges:	RS485 interface		55.85
ZP11 1	Connecting set for SR11 1, 3m long (for thermocouples and heaters)		166.22
ZP11 2	Connecting set for SR11 3, SR11 6, SR11 8, 3m long (for thermocouples and heaters), (SR11 65, SR11 66, SR11 8 require 2 sets)		199.46
ZP11 3	Connecting set for SR11 6, 3m long (for thermocouples)		199.46
ZP11 4	Connecting set for SR11 6, 3m long (for heaters)		199.46
ZP11 5	Connecting set for SR11 8, 3m long (for thermocouples)		232.71
ZP11 6	Connecting set for SR11 8, 3m long (for heaters)		232.71
Extra charges:	ZP11 6m long		66.49
	Connector for set ZP11		55.85
Power energy electronics			
RP1	1-phase power controller (25, 40, 70 A)		387.84
RP1	1-phase power controller (125 A)		487.57
RP3	3-phase power controller (40 A)		1442.78
RP3	3-phase power controller (70 A)		1544.72
RP3	3-phase power controller (125 A)		1737.54
RP3	3-phase power controller (200 A)		2725.98
RP3	3-phase power controller (300 A)		2836.79
RP3	3-phase power controller (450 A)		2925.44
RP7	1-phase power controller (to 15A)		152.92
Extra information			
	Quality inspection certificate	+5%	+5%
(*)	New product under development (not available yet)		
(l)	The product is available only until stock runs out.		
(p)	The product is configurable using free LPConfig software.		



PRICE LIST 2010

Converters, Modules, HMI, SCADA

Valid from 1st January 2010

Type	Description		List Price £
Converters			
PD22	Data concentrator		232.71
PD51A	Converter RS485 / RS232 or repeater RS485 - rail mounted		121.89
PD51B	Converter RS485 / RS232 or repeater RS485 - portable		99.73
PD8	Converter of the RS485 / Ethernet		394.49
PD10	Converter RS485 / USB		90.87
PD12	Converter RS232 / USB		90.87
Modules			
SM1 (p)	2-channel module of analog inputs with RS-485 and RS-232 interfaces		132.97
SM2 (p)	4-channel module of analog inputs with RS-485 and RS-232 interfaces		232.71
SM3 (p)	2-channel module of logic or pulse inputs with RS-485 interface		117.46
SM4 (p)	8-channel module of binary outputs with RS-485 and RS-232 interface		155.14
SM5 (p)	8-channel module of binary inputs with RS-485 and RS-232 interface		152.92
SM6 (*)	Data acquisition module with WWW server (Ethernet and RS-485 interfaces)		753.52
SM7	Radio transmission module		214.98
SM8	GSM / GPRS transmission module		476.49
SM9	Power supply module 24Vdc 1A		117.46
MR03	Radio transmission module		571.79
SMC (*)	PLC controller, 2 x RS485 interface (Master and Slave), USB port		232.71
HMI panels			
MT035	HMI panel, 3.5" screen, RS232/RS485 + RS485, 1MB program memory		709.20
MT057	HMI panel, 5.7" screen, 2 x RS232/RS485, 1MB program memory		997.31
MT058	HMI panel, 5.7" screen, 2 x RS232/RS485, Ethernet, 2MB program memory		1351.91
Scada software			
Lumel-Proces	For up to 5 Modbus devices		232.71
Lumel-Proces	For up to 10 Modbus devices		403.36
Lumel-Proces	For up to 30 Modbus devices		1,070.45
Lumel-Proces	For up to 100 Modbus devices		3,257.88
Extra information			
	Quality inspection certificate	+5%	+5%
(*)	New product under development (not available yet)		
(!)	The product is available only until stock runs out.		
(p)	The product is configurable using free LPConfig software.		



PRICE LIST 2010

Current transformers

Valid from 1st January 2010

Type	Description	List Price £
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Current transformers		
Current transformers x/5A		
<i>Tube Current Transformers, class 1</i>		
ASR 20.3	Current transformer 50... 300 / 5A, class 1	23.27
<i>Plug-in current transformers, class 1</i>		
ASK 21.3	Current transformer 40... 600A, class 1	21.50
ASK 31.4	Current transformer 50... 750A, class 1	23.05
ASK 41.3	Current transformer 100... 800A, class 1	21.50
ASK 41.4	Current transformer 50... 1000 A, class 1	22.61
ASK 51.4	Current transformer 100... 1250 A, class 1	28.81
ASK 561.4	Current transformer 200... 1250 A, class 1	26.82
ASK 61.4	Current transformer 200... 1600A, class 1	42.11
ASK 81.4	Current transformer 400... 2000 A, class 1	43.44
ASK 103.3	Current transformer 750... 3000 A, class 1	52.75
ASK 123.3	Current transformer 1000... 4000 A, class 1	55.85
<i>Wound current transformers, class 1</i>		
WSK 40	Current transformer 1... 40 A, class 1	73.14
WSK 60	Current transformer 5... 75 A, class 1	84.22
WSK 70.6N	Current transformer 25... 150 A, class 1	115.24
<i>Split-core current transformers, class 1</i>		
KBU 23	Current transformer 100... 400 A, class 1	101.95
KBU 58	Current transformer 250... 1000 A, class 1	115.24
KBU 812	Current transformer 250... 1500 A, class 1	135.19
<i>Tube Current Transformers, class 0.5</i>		
ASR 20.3	Current transformer 50... 300 / 5A, class 0.5	55.85
Current transformers x/1A		
<i>Tube Current Transformers, class 1</i>		
ASR 20.3	Current transformer 50... 300 / 5A, class 1	28.81
<i>Plug-in current transformers, class 1</i>		
ASK 21.3	Current transformer 40... 600A, class 1	28.81
ASK 31.4	Current transformer 50... 750A, class 1	27.04
ASK 41.3	Current transformer 100... 800A, class 1	27.48
ASK 41.4	Current transformer 50... 1000 A, class 1	27.48
ASK 51.4	Current transformer 100... 1250 A, class 1	33.24
ASK 561.4	Current transformer 200... 1250 A, class 1	35.46
ASK 61.4	Current transformer 200... 1600A, class 1	42.11
ASK 81.4	Current transformer 400... 2000 A, class 1	58.95
ASK 103.3	Current transformer 750... 3000 A, class 1	58.95
ASK 123.3	Current transformer 1000... 4000 A, class 1	58.95
<i>Wound current transformers, class 1</i>		
WSK 40	Current transformer 1... 40 A, class 1	82.00
WSK 60	Current transformer 5... 75 A, class 1	93.08
WSK 70.6	Current transformer 25... 150 A, class 1	121.89
<i>Split-core current transformers, class 1</i>		
KBU 23	Current transformer 100... 400 A, class 1	121.89
KBU 58	Current transformer 250... 1000 A, class 1	137.41
KBU 812	Current transformer 250... 1500 A, class 1	157.35
<i>Tube Current Transformers, class 0.5</i>		
ASR 20.3	Current transformer 50... 300 / 1A, class 0.5	60.50



Current transformers with transducer, class 0.5			
SWMU	Current transformer with transducer 1... 800 A, without supply		241.57
SWMU	Current transformer with transducer 1... 800 A, with 230V a.c. supply		226.06
SWMU	Current transformer with transducer 1... 800 A, with 24V d.c. supply		305.84
Extra information			
	Quality inspection certificate	+5%	+5%
(*)	New product under development (not available yet)		
(!)	The product is available only until stock runs out.		
(p)	The product is configurable using free LPConfig software.		