25 TECHNICAL DATA

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Current: Standard Range (direct connected)	20 - 100A, 10 - 100A
Extended Range (direct connected)	5 - 100A
Standard Range (CT operated)	1 - 2A, 5 - 10A
Extended Range (CT operated)	1 - 10A
Frequency	50 or 60Hz
Reference Voltage	220V - 240V (L – N)
	220V - 240V (L – L)
	105V - 127V (L – N)
	105V - 127V (L – L)
Voltage Operating range	±20%
System Connection - 2 element meter	3 phase 3 wire
- 3 element meter	3 phase 4 wire
	2 phases of 3 phase 4 wire
	2 phase 3 wire
	1 phase 3 wire
	1 phase 2 wire
Short Circuit Current	30 Imax
Burden of Voltage Circuits 230V	0.8W, 1.3VA
Burden of Voltage Circuits 230V Burden of Current Circuits (10 – 100A meter)	4VA @ 100A/phase [max]
Burden of CT Operated Meters	0.22VA per phase
Insulation	4kV RMS
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Impulse Withstand	12kV 1.2/50μs 40 ohm source
Display	9.8mm characters, high contrast, wide viewing angle
Meter Constant (pulsing LED output)	1,000 p/kWh (kvarh) Direct connected
	10,000p/kWh (kvarh) CT Operated
	Approximately 6ms Pulse width
Pulse Output Specification	
SO Output (12 kV isolation)	27V d.c. 27 mA, IEC 62053-31 (Transistor Output)
100mA Relay Output (12 kV isolation)	230V a.c or d.c, 100mA
300mA Relay Output (12 kV isolation)	230V a.c 300mA
Product Life	15 years
Certified Life	10 years
Temperature	Operational range: -25° C to +65° C
	Storage Range: -25° C to +85° C
Humidity	Condensing (See note below)
	Annual Mean 75% (95% for 30 days spread over one year)
Maximum Dimensions	233mm (High) x 174 mm (Wide) x 50mm (Deep)
Weight	904 grams
Accuracy Class kWh	EN 62053-21/22 - Class 0.5s, 1 or 2
kWh	EC Directive 2004/22/EC (MID) - Class A, B or C
kvar	EN 62053-23 - Class 2 or Class 3
Case	DIN 43857 Part 2 and Part 4 (except for top fixing centre)
	IP53 to IEC 60529:1989
	EMC Directive 89/336/EEC
Torminale Main	
Terminals Main	8.2mm bores, M6 Terminal Screws – max torque 2.8 N m
Auxilian	9.0mm bores, M6 Terminal Screws – max torque 2.8 N m
Auxiliary	9.5mm bores, M6 Terminal Screws – max torque 2.8 N m
	3.2 mm bores, M3 Terminal Screws – max torque 0.45 N

Note: Sample meters have successfully passed the "Damp heat cyclic" test given in section 6.3.4 of EN50470-1. However, for maximum operational life, it is recommended that installation sites are chosen where condensation is unlikely to occur.