



Main

Commercial Status	Commercialised
Range of product	PowerLogic
Device short name	CM4000T
Product or component type	Circuit monitor

Complementary

Power quality analysis	Voltage sag and swell detection Waveform capture Setpoint learning Harmonic distortion Programmability (logic and math functions) EN 50160 compliance checking Disturbance direction detection Up to the 255th harmonic
Device application	Transient detection
Type of measurement	Voltage Reactive power, per phase Reactive power, total Power factor, per phase Power factor, total Frequency Current Apparent power, per phase Apparent power, total Active power, per phase Active power, total
Supply voltage	90...305 V, AC, 50/60 Hz 100...300 V, DC,
Network frequency	50/60 Hz
Power consumption	<= 50 VA
Sampling rate	5 MHz
Input type	Current
Measurement current	5 A
Measurement voltage	0...600 V, AC, direct, 0...1.5 Un 0...1200 V, AC, with external VT, 0...1.5 Un
Measurement accuracy	Power factor: 0.002, from 0.5 leading to 0.5 lagging Voltage: 0.04 %, (reading) Voltage: 0.025 %, (full scale) Power: 0.075 %, (reading) Power: 0.025 %, (full scale) Frequency: 0.1 Hz, 350...450 Hz Frequency: 0.01 Hz, 45...67 Hz Current: 0.04 %, (reading) Current: 0.025 %, (full scale)
Accuracy class	Class 0.2S, (energy conforming to IEC 62053-22) Class 0.2S, (energy conforming to ANSI C12.20)
Number of outputs	1 pulse

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Language	English French German Italian Polish Spanish
Communication port protocol	Modbus
Communication port support	Ethernet RJ45 RS485 RS232
Data recording	Alarms Data logs Event logs Min/Max of instantaneous values Sequence of event recording Time stamping Trending/Forecasting
Memory capacity	32 MB

Environment

Electromagnetic compatibility	Susceptibility to electromagnetic fields (level: III),, conforming to IEC 61000-4-3 1.2/50 μ s shock waves immunity test (level: IV),, conforming to IEC 61000-4-5 Electrical fast transient/burst immunity test (level: III),, conforming to IEC 61000-4-4 Electrostatic discharge immunity test (level: III),, conforming to IEC 61000-4-2 Conducted and radiated emissions (level: A),
Overvoltage category	II
IP degree of protection	IP52 conforming to IEC 60529
Relative humidity	5...95 % 40 °C
Pollution degree	2
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Standards	CISPR 22 EN 61010 UL 508
Width	235.5 mm
Depth	133.1 mm
Height	165.6 mm
Product weight	1.9 kg

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Will not be Compliant