



Main

Range	PowerLogic
Range of product	PowerLogic
Product or component type	Multi-circuit energy meter
Product name	PowerLogic EM4000
Device short name	EM4080
Power monitoring	Basic instrumentation
Energy management	Sub billing and cost allocation Billing analysis
Market segment	Buildings / Small building (Energy Panelboard Cost management) in for Billing Buildings / Medium building (Energy Panelboard Cost management) in for Billing Buildings / Large building (Energy Panelboard Cost management) in for Billing Buildings / Multi-site (Energy Panelboard Cost management) in for Billing Buildings / Small building (Energy Panelboard Cost management) in for Cost allocation Buildings / Medium building (Energy Panelboard Cost management) in for Cost allocation Buildings / Large building (Energy Panelboard Cost management) in for Cost allocation Buildings / Multi-site (Energy Panelboard Cost management) in for Cost allocation
Device application	Sub billing
Power quality analysis	Compliance monitoring
Type of measurement	Active and reactive power Positive active energy Positive reactive energy Negative active energy Negative reactive energy Apparent energy Current per phase, rms Voltage per phase, rms Pulse count Apparent power
[Us] rated supply voltage	120 V AC at 60 Hz
Network frequency	60 Hz

Complementary

Sampling rate	256 samples/cycle
Display type	Backlit LCD
Messages display capacity	2 lines of 16 characters
Analogue input type	Solid core CT, 80 mA x 24 (single pole) Solid core CT, 80 mA x 12 (single phase)

Solid core CT, 80 mA x 8 (three phase)

Measurement voltage	80...480 V without PTs 480...999000 V with external PTs
Number of outputs	0
Measurement accuracy	+/- 0.5 % of the measuring range
Number of inputs	2 pulse
Communication port protocol	Modbus TCP/IP BACnet IP FTP HTTP SNTP
Communication port support	RS485 Ethernet RJ45
Communication of data	Positive active energy Positive reactive energy Negative active energy Negative reactive energy Apparent energy Voltage

Environment

Mounting mode	Wall mount
Device mounting	Wall mounted
Enclosure type	NEMA type 1
Type of installation	Indoor installation Enclosed outdoor
Relative humidity	90 % at 40 °C
Pollution degree	2
Ambient air temperature for operation	-40...70 °C
Ambient air temperature for storage	-40...70 °C
Operating altitude	<= 3000 m
Standards	EN 55022 FCC part 15 class B ICES-003 IEC 6100-4-5 CSA C22.2 No 61010-1 CSA C22.2 No 61010-1-4 ANSI/TIA-968-A : 2002
Product certifications	UL
Width	30.5 cm
Depth	5.5 cm
Height	33.5 cm
Product weight	4 kg