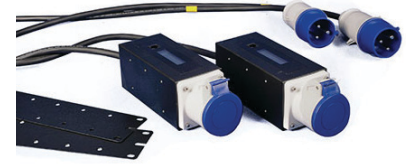


specifications

The Zero-RU Inline Meter extends real-time aggregate power monitoring intelligence to any non-intelligent power distribution unit (PDU) device installed in a rack or cabinet enclosure. The inline meter is installed as part of a primary/secondary topology, where the all critical intelligence and power supply for the power adapter is retained within a connected gateway. The inline meter allows for multiple mounting options. Data captured from the inline meter is used to display operational data through connected gateway firmware or through Panduit™ SmartZone™ Software platforms.



technical information

Dimensions: Varies. See part descriptions for dimensions of each device
Mounting: Zero RU mounting

key features and benefits

Extended intelligence	Layers intelligent monitoring capabilities over non-intelligent PDU to quickly and cost-effectively integrate DCIM benefits into legacy installations
Primary/secondary network topology	Connects to a SmartZone™ Gateway device that houses the intelligence and monitoring power supply for the SmartZone™ Zero-RU Inline Meter within the gateway itself to simplify the network architecture and lower overall power consumption
Zero RU form factor	Allows SmartZone™ Zero-RU Inline Meter to be free standing or mounted directly to or within rack or cabinet enclosure, simplifying and accelerating deployment time, and reducing the need for valuable rack space
Vendor neutral	Connects to any PDU to enable aggregate monitoring of any new or existing third-party devices, cost-effectively maximizing resources
RJ45 connection	Utilizes an RJ45 plug to quickly and easily connect SmartZone™ Zero-RU Inline Meter to a SmartZone™ Gateway port to simplify installation
SmartZone™ Software Suite integration	Captures actionable power and environmental data that can be utilized by SmartZone™ Software to enable data center operational and energy efficiencies, capacity management, and resilience

applications

SmartZone™ Power Monitoring Devices capture power consumption data of non-intelligent, vendor neutral equipment within IT and facility domains. These devices operate using intelligence and monitoring power supplied by SmartZone™ Gateways, connected via RJ45 ports. The gateways collect data captured from the power monitoring devices for display via gateway firmware or for utilization by SmartZone™ Software platforms. Unique form factors simplify installations, allowing IT and Facility teams to quickly and easily retrofit legacy (brownfield) installations with intelligence capabilities in a manner that cost-effectively maximizes current resources.

The Panduit™ SmartZone™ Zero-RU Inline Meter captures aggregate power of non-intelligent PDU by quickly installing between the PDU power plug and its primary power source, and then easily plugging the inline meter into an RJ45 gateway port. This “in-line” device can then be tucked into the cabinet or mounted to the cabinet enclosure to save valuable RU space. This rapidly initiates power consumption monitoring and measurement of existing installed PDUs without the expense, time, or trouble of installing new PDU equipment.

SmartZone™ Zero-RU Inline Meter

specifications

Connectivity	RS485 Interface
Rated Voltage	200V – 400V AC Single and Three Phase
Rated Current	Up to 32A, Single Phase and Three Phase (model specific, see below)
Rated Frequency	50 to 60 Hz
Operating Temperature	32°F to 104°F (0°C to 40°C)
Measuring Accuracy	+/-2% (Single phase), +/-1% (Three phase)
Local Display	LCD of Amps, Voltage and kWhr, KVA, Power Factor, Frequency
Display Resolution	1 Volt, 0.01 Amp, 0.1 kWhr
Cable Length/Input Plug	1.5 Meter Cable Length (Input plug model specific, see below)
Material	Metal, Zintec, Black RAL-9005
Safety Standards	EN 60950-1:2006/A11:2009/A1:2010/A12:2011, EN 55022: 2010+AC: 2011, EN 55024: 2010, EN 61000-3-2: 2006+A1:2009+A2:2009, EN 61000-3-3: 2008

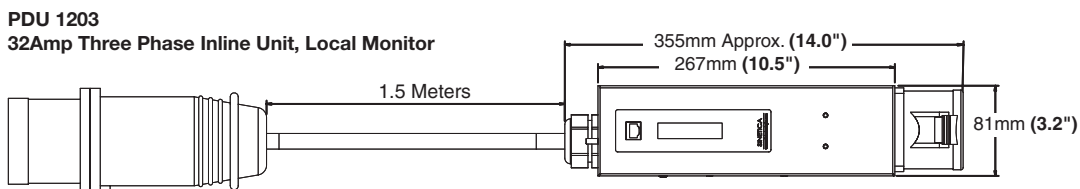
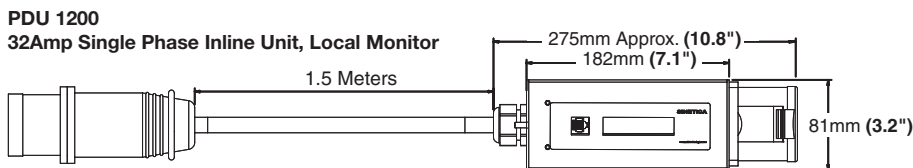
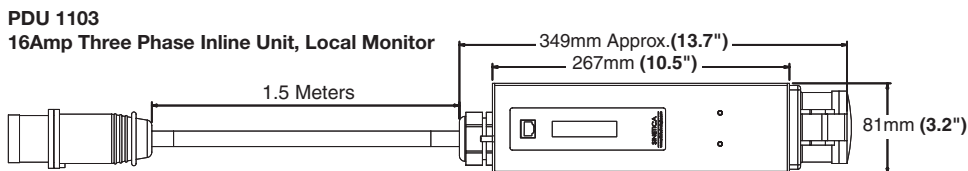
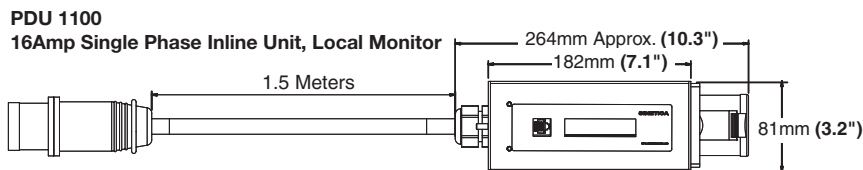
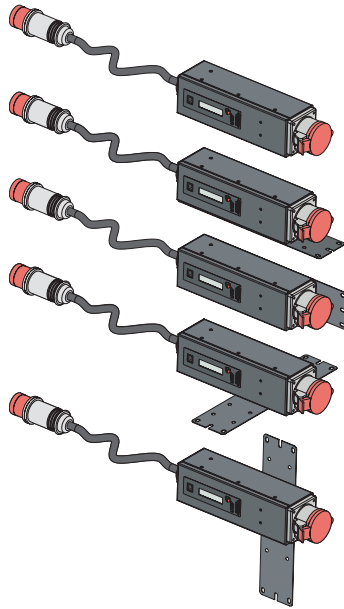
part numbers

Zero-RU Inline Meter (AP)	
GM-A0901BL	16A 230V – 400V AC, Single Phase, Commando Plugs and Sockets, 1.5 meter cable (dimensions: 2.64 x 81mm (10.2" x 3.2"))
GM-A0902BL	16A 230V – 400V AC, Three Phase, Commando Plugs and Sockets, 1.5 meter cable, (dimensions: 349 x 81mm (13.7" x 3.2"))
GM-A0903BL	32A 230V – 400V AC, Single Phase, Commando Plugs and Sockets, 1.5 meter cable, (dimensions: 275 x 81mm (10.8" x 3.2"))
GM-A0904BL	32A 230V – 400V AC, Three Phase, Commando Plugs and Sockets, 1.5 meter cable, (dimensions: 355 x 81mm (14" x 3.2"))
Included in SmartZone™ Rack Energy Kits	
Japan	
RMSQ2T2POB05	(2) Zero-RU Inline Meters (20A 120V Single Phase NEMA L5-20P, L5-20R), (1) Gateway EP042, (2) Temperature Sensors and Rack Monitoring Software
RMSQ2T2POB06	(2) Zero-RU Inline Meters (30A 120V Single Phase NEMA L5-30P, L5-30R), (1) Gateway EP042, (2) Temperature Sensors and Rack Monitoring Software
RMSQ2T2POB07	(2) Zero-RU Inline Meters (20A 208V Single Phase NEMA L6-20P, L6-20R), (1) Gateway EP042, (2) Temperature Sensors and Rack Monitoring Software
RMSQ2T2POB08	(2) Zero-RU Inline Meters (30A 208V Single Phase NEMA L6-30P, L6-30R), (1) Gateway EP042, (2) Temperature Sensors and Rack Monitoring Software
Australia, ASEAN, China, and India	
RMSQ2T2POB203E	(2) Zero-RU Inline Meters (32A 240V Single Phase IEC 60309 Commando Plugs and Sockets), (1) Gateway EP042, (2) Temperature Sensors and Rack Monitoring Software
Australia	
RMSQ2T2POB301Z	(2) Zero-RU Inline Meters (32A 240V Single Phase Clipsal Plugs and Sockets), (1) Gateway EP042, (2) Temperature Sensors and Rack Monitoring Software
SmartZone™ Gateway Devices	
ZARKMS-01-NA	Gateway EP042 w/IEC-NEMA 5-15 power cable
ZARKMS-01-UNI	Gateway EP042 w/IEC-IEC power cable
ZARKMS-01-99	Gateway EP042 w/no power cable
ZAH13-01-NA	Gateway EPA064 w/IEC-NEMA 5-15 power cable
ZAH13-01-UNI	Gateway EPA064 w/IEC-IEC power cable
ZAH13-01-99	Gateway EPA064 w/no power cable
ZAEI-01-NA	Gateway EPA126 w/IEC-NEMA 5-15 power cable
ZAEI-01-UNI	Gateway EPA126 w/IEC-IEC power cable
ZAEI-01-99	Gateway EPA126 w/no power cable
ZAEIPEXP-01-NA	Gateway EPAX18 w/IEC-NEMA 5-15 power cable
ZAEIPEXP-01-UNI	Gateway EPAX18 w/IEC power leads
ZAEIPEXP-01-99	Gateway EPAX18 w/no power cable
ZAEH2-01-NA	Gateway E24 w/IEC-NEMA 5-15 power cable
ZAEH2-01-UNI	Gateway E24 w/IEC-IEC power cable
ZAEH2-01-99	Gateway E24 w/no power cable

SmartZone™ Zero-RU Inline Meter

mounting options

These products are supplied with a mounting bracket and fixing screws. The bracket can be fitted to the Zero-RU Inline Meter in any of the configurations below:



Dimensions are in metric. (Dimensions in parenthesis are inches).

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