Raritan
A brand of legrand



INLINE METERS

REAL-TIME RACK POWER DATA FOR SMARTER, MORE RESILIENT DATA CENTERS

The Raritan Inline Meter enables data centers to add real-time intelligent power metering, power-quality monitoring, and optional environmental monitoring to basic, non-intelligent IT equipment and rack PDUs. Designed to simplify rack-level visibility, inline meters accurately monitor power and energy usage on dedicated circuits without requiring replacement of existing infrastructure.

Installation is nonintrusive, with no need to remove equipment or re-cable racks. The inline meter can be wired into an existing circuit between the power source and the connected equipment to continuously measure critical electrical parameters, including current, voltage, power factor, and energy consumption.

With built-in remote management capabilities, the inline meter delivers real-time, actionable insight enabling faster troubleshooting, capacity planning, and energy optimization. Built-in enterprise-grade digital security protects connected assets while supporting data center continuity, efficiency, and overall operational performance.

BENEFITS

Real-Time Rack-Level Power Insights:
Make informed decisions on capacity planning, resource allocation, and energy optimization with accurate power quality metrics.

Improve Efficiency:
Identify underused or inefficient equipment through informed energy usage and management.

Prevent Outages and Overloads:
Real-time power quality analytics detect irregularities and inefficiencies early, avoiding downtime and optimizing utilization.

No Infrastructure Overhaul Required:
Install seamlessly into existing power circuits—no re-cabling or removing IT or rack power equipment.

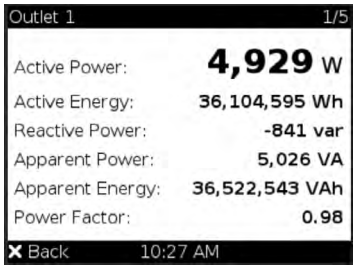
Enterprise-Grade Digital Security:
Advanced encryption, strong authentication, and modern network protocols keep deployments safe, even in high-risk environments.

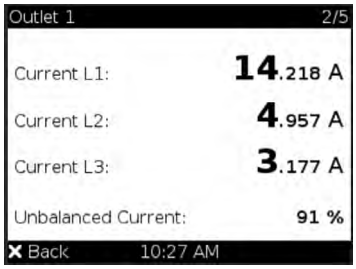
Environmental & Security Monitoring: Cascade plug-and-play Legrand SmartSensors™ to detect temperature, humidity, and physical security threats before they impact uptime.

EMPOWER YOUR RACK WITH REAL-TIME POWER VISIBILITY

REMOTE POWER MONITORING & METERING

Access real-time insights into current (A), voltage (V), power (kW), energy (kWh), and power factor (PF) with ±0.5% metering accuracy to ensure connected equipment is receiving optimal input power, preventing damage and performance degradation.





POWER QUALITY MONITORING & METRICS

Get real-time insights into power quality with peak and minimum/maximum measurements of total harmonic distortion, reactive power, phase angle, displacement power factor, apparent power, and more. Confidently address capacity and failover planning, environmental optimization, and troubleshooting initiatives.



THE IX CONTROLLER

At the inline meter's center of intelligence is the iX Controller, housing a display and multiple connectivity ports. It offers industrial-grade reliability, user-configurable firmware, multilayer redundancy for failover, and hot-swappable components for maintenance or replacement.



PX4 Inline Meter
3Φ-Y, 1 Input Model



PX3 Inline Meter
1Φ, 4 Input Model

MODEL FEATURES

	PX4 INLINE METERS	PX3 INLINE METERS
Advanced Power Quality Monitoring & Metrics (PQM) ▪ On-demand Waveform Capture ▪ Continuous Harmonic Monitoring and Alerting	■	
Residual Current Monitoring (RCM)	■	■
Remote Power Monitoring & Metering	■	■
Power Measurement & Accuracy	±0.5%	±1%
Remote Access & Management	■	■
Xerus Controller	■	■
Newest & Most Advanced iX12 Controller ▪ Secure Boot ▪ Secure Element Key Generation ▪ Dual Gigabit Ethernet ▪ Field Replaceable & Hot Swappable	■	
Security & Authentication	■	■
Environmental Monitoring & Support	■	■
User-Defined Alerts & Thresholds	■	■
Data Logging & Trending	■	■
Interoperability with DCIM and BMS Systems	■	■

Some features are unavailable on select models.

POPULAR INLINE METER MODELS

SINGLE-PHASE MODELS

PART NUMBER	FORM FACTOR	FEEDS	INPUT PHASE	INPUT VOLTAGE	INPUT CURRENT	INPUT PLUG	OUTPUT PLUG
PX4-3128-C8	0U	1	1Φ	200-240V	24/32A	IEC60309 30A/32A	IEC60309 30A/32A R
PX3-3120	0U	1	1Φ	100-240V	32A	32A Terminal	32A Terminal
PX3-3223	1U	2	1Φ	200-240V	24A	NEMA L6-30P	NEMA L6-30R
PX3-3420	1U	4	1Φ	100-240V	32A	32A Terminal	32A Terminal

Not all part numbers or configurations are listed.

THREE-PHASE MODELS

PART NUMBER	FORM FACTOR	FEEDS	INPUT PHASE	INPUT VOLTAGE	INPUT CURRENT	INPUT PLUG	OUTPUT PLUG
PX4-3172-C8	0U	1	3Φ-Y	380-415V	24/32A	IEC60309 30A/32A 3PY	IEC60309 30A/32A 3PY R
PX3-3171	0U	1	3Φ-Y	190-208V	24A	NEMA L21-30P	NEMA L21-30R
PX3-3183	0U	1	3Φ-Δ	208-240V	48A	IEC60309 60A 3P	IEC60309 60A 3P R
PX3-3270	2U	2	3Φ-Δ	208-240V	40A	CS8365	CS8364

Not all part numbers or configurations are listed.

SUPPORTED ACCESSORIES



SmartSensors
Environmental and security data center sensors



SmartLock System
Cabinet-level access, control, and compliance



Interface Modules
Extend connectivity, communication, and networking features



Asset Management
Automated, real-time inventory of IT assets and their locations

To learn more visit

raritan.com/inlinemeters

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