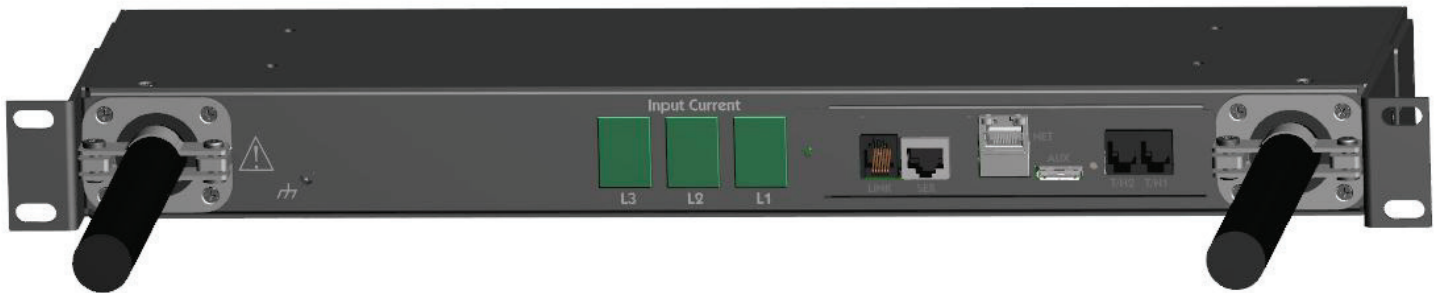# How do I add power monitoring to basic PDUs?

Learn how the PRO series Inline Meter rounds out your power monitoring infrastructure.

Typical Application

In order to fine-tune efficiency analysis in my data center, I have been utilizing Smart POPS rack PDUs in all my server racks to gain detailed knowledge of equipment power usage. In addition, I have some racks that come fully populated with network or storage equipment but only basic dumb power strips. How can I round-out the power monitoring to cover that equipment?

Our Solution

The Server Technology PRO series Inline Meter provides the same billing-grade +/- 1% energy measurement data via network connection and input line current measurement via easy-to-read LEDs as the PRO series rack PDU. With configurations available for all typical single- and three-phase power circuits, data center power monitoring can be made complete. For flexible install, the Inline Meter may be configured with end-mount or face-mount cords for 1RU horizontal mounting, button-bracket mounting, cabinet dead space mounting, or above rack mounting. Add an expansion unit and combination temperature / humidity probes to gain a complete understanding of the conditions in the rack - all on one IP address.

stay powered. be supported. get ahead.

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Designed with high-availability data access in mind.

The PRO2 series hot-swappable network card is designed to provide measurement and alert data from the Master PDU and up to three Link PDUs even if power to the master fails. Additionally, as seen in the image below, the link units are wired in a star formation so that failure of any link does not aect communication to the others.

Key PRO2 Benefits

- Hot-swappable, redundantly-powered network card (from link PDU)

- Star architecture multi-linking compared to competition's daisy chain design with single point of failure

- Branch current measurements and multi-level alerts

- Shallower enclosure compared to previous generation PDU

- More alarms and configuration options compared to previous generation PDU

Key Inline Meter Benefits:

- Billing-grade +/- 1% accuracy

- Models available for all standard cords and more

- Operation to 60 C (140 F) ambient

- Horizontal and vertical mounting compatible

Link PDU   Master PDU   Link PDU   Link PDU

About Server Technology®

Server Technology, a brand of Legrand, is leading the engineering and manufacturing of customer-driven, innovative and exceptionally reliable power, access and control solutions for monitoring and managing critical IT assets for continual availability.

Server Technology's power strategy experts are trusted to provide Rack PDU solutions for data centers worldwide ranging from small technology startups to Fortune 100 powerhouses. Because power is all we do, Server Technology can be found in the best cloud and colocation providers, forward thinking labs, and telecommunications operations.

Server Technology customers consistently rank us as providing the highest quality PDUs, the best customer support, and most valuable innovation. We have over 12,000 PDU configurations to fit every data center need and most of our PDUs are shipped within 10 days.

Rack PDU Buying Guide
Find the best PDU for your data center
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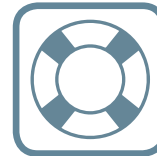
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