

Power Xpert Meter 3000



Help control and reduce your costs with revenue grade power and energy metering



EATON

Powering Business Worldwide

Finding a solution to accurately control and manage your energy usage to save money is not always easy. Having the ability to accurately allocate billing in a light commercial property would be an ideal solution to help solve this problem. Not to mention meeting today's stringent energy codes, system compatibility, and a solution that helps prevent facility downtime along with actionable insights can be even more difficult. Eaton's Power Xpert Meter 3000 (PXM3000) gives you the ability to do just that.

A cost-effective solution

The PXM3000 is a revenue grade power and energy meter that delivers a cost-effective solution for energy and sub-metering applications. The PXM3000 energy meter enables you to reduce and control your demand for energy by making consumption more predictable, helping to minimize downtime and increase maintenance efficiency. By meeting ANSI C12.20, and IEC 62053-22 metering accuracies at 0.2%, the PXM3000 provides accurate data. It also has the ability to sample waveform data at 128 samples per cycle. It enables you to understand power quality and manage utility costs more effectively and efficiently.

Information at your fingertips

Eaton provides customers a new level of accessibility to the critical information required to manage your electrical distribution system. The PXM3000 meter uses an embedded Web server that includes real time circuit information in both numeric and graphical visual formats to help monitor circuit parameters, such as current loading, voltage and power levels, and power factor. The embedded web server allows users to see demand comparisons, trends, record waveforms, and harmonics directly in the Web browser. The embedded Web server also allows users to surf to the meter from any location via a standard Web browser.

This three-phase meter provides high accuracy and advanced features in the standard 4" form factor and can be expanded with multiple modular analog and digital I/O options. The PXM3000 portfolio offers a succinct lineup of meters that make bidding for your next job easy. This lineup of meters offers the same form, fit and function as today's meters, but includes additional options and capabilities such as multiple CT inputs, analog inputs, and communication protocols.

Achieving requirements through the cloud

The PXM3000 meter is a cloud-enabled meter that supports new energy code sub-metering requirements, by featuring Ethernet and cloud-connected functionalities. This meter is designed to store 2GB worth of data on board and up to three years of historical trends in the cloud, helping to meet energy code requirements.

Meeting the needs of the following markets and applications:

- Commercial construction
- Data centers
- Healthcare
- Industrial and manufacturing

Features and benefits

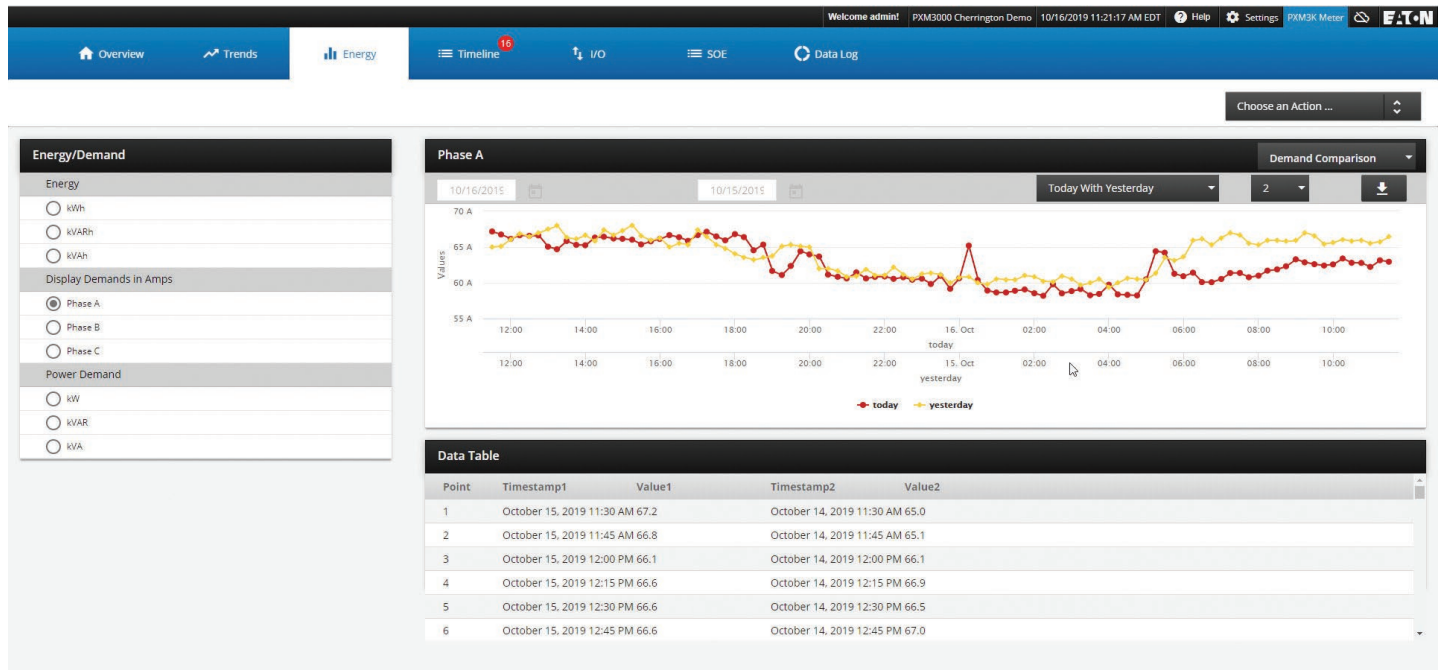
- ANSI C12.20 and IEC 62053-22 revenue grade accuracy will help meet stringent customer specifications
- Available in 1/5A and 333mV CT type inputs, allow for ease of use in traditional installations
- Rogowski coils allow for ease of use in retrofit applications
- Multiple communication protocols including Modbus TCP, BACnet/IP and with available HTTP push allowing to send data to the cloud helps meet energy code data storage requirements

- Designed to easily integrate into Eaton's Power Xpert Energy Visualization & Analytics (PXEVA) software, helping to meet ASHRAE 90.1 compliance for commercial properties
- Combines state-of-the-art technology with harmonic viewing, data trending, performance benchmarking and waveform recording through an embedded Web server accessible from any location via a standard Web browser
- The embedded Web server supports viewing of triggered waveforms one channel at a time, including the ability to zoom and to scroll horizontally using a slider bar. Waveforms are stored in the meter's non-volatile flash memory using an industry standard Comtrade format, allowing you to view and analyze the waveforms in any standard free-of-charge or commercial COMTRADE file viewer

- Offers maximum flexibility in waveform recording by allowing the number of recorded waveform cycles, number of pre- and post-event cycles, and sampling rate to be configured to your system requirements

Why Eaton?

We understand saving and accurately allocating your energy usage is important, along with meeting stringent codes and standards, and finding the perfect fit for your power management system. That's why Eaton is continuing to develop innovative and connected metering solutions that will help solve your day to day challenges, no matter the application.



PXM3000 demand comparison web screen

For more information, please visit:
www.eaton.com/meters
 or contact your local Power Xpert application engineer, for more information.

Eaton
 1000 Eaton Boulevard
 Cleveland, OH 44122
 United States
 Eaton.com

© 2020 Eaton
 All Rights Reserved
 Printed in USA
 Publication No. PA026006EN/MCG
 January 2020

Eaton is a registered trademark.
 All other trademarks are property of their respective owners.

Follow us on social media to get the latest product and support information.

