The Power Xpert™ Meters 4000/6000/8000 advanced touch screen display offers Eaton customers a new level of accessibility to the critical information required to manage the electrical distribution system. The touch screen color display provides 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.

### Technical information
- 1024 x 768 pixel backlit LCD graphic touch screen display
- IP65 aluminum front panel
- Power: 9–36 Vdc input

### Display measurements
- Height: 9.65 inches (245 mm)
- Width: 12.56 inches (319 mm)
- Depth: 2.00 inches (52 mm)
- Shipping weight: 2.1 lb (2.5 kg)
- Cutout dimensions: 11.90 x 9.00 inches (303 x 229 mm)

### Catalog number
- PXM468K-DISP-12
ALL ACCESS

The Power Xpert Meters 4000/6000/8000 advanced display provides access to all measured and stored parameters in the meter. It supports graphical real-time information, trend charts of key circuit measurements, waveform, harmonics and calendar displays. All meter setup and programming can be performed through the display.

Trending

The advanced display supports graphical trend charts of key circuit measurements, such as current, voltage, power and energy. The trend chart supports a zoom feature that allows the user to view data over a short period of 18 hours or a longer period of 48 months. Trend charts of basic readings include minimum, maximum and average readings. Trend charts of energy data also display demand values.

Events calendar

On the 6000 and 8000 models, the events timeline calendar view provides instant insight to the frequency of power events and helps detect reoccurring problems. Color-coded events can be filtered to detect specific issues.

Waveform capture

Sixty cycles of waveform are oversampled at 4096 samples (100,000 samples with the 8000 meter) per cycle, including 30 cycles of pre- and post-event data. The Power Xpert Meters 4000/6000/8000 advanced display supports viewing of triggered waveforms one channel at a time, including the ability to zoom and to scroll horizontally.

Harmonics analysis

The harmonic spectral plot displays both harmonics and interharmonics up to the 85th order. A detailed table also includes individual magnitudes and angles of current and voltage harmonics as well as a harmonic power calculation at each frequency. Even, odd, interharmonic and total THD are displayed for diagnostic purposes.

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

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