



# EPM 2000

## POWER METERING SYSTEM

Full Featured Metering  
with Advanced Power Measurement

### KEY BENEFITS

- Economical meter for Circuit Monitoring of Panels, Main Feeds, Branch Circuits, Gensets & equipment with communications
- True RMS measurement more than 40 electrical parameters
- Universal operation - 50 / 60 Hz, user programmable for high, medium or low voltage circuits
- DIN Standard 96 x 96 mm size for easy installation in new and retrofit Panels
- Instant load verification through analog type loadbar

### APPLICATIONS

- Continuous metering of electrical loads such as generator panels, feeders, switchgear etc.
- Provides remote status when used with EnerVista suite of software
- Low and Medium voltage applications

### FEATURES

#### Monitoring and Metering

- Measures 3-phase real time amps, volts, power, energy, power factor and frequency
- Monitors equipment "run hours", "on hours" and interruptions (outages)

#### User Interface

- Brilliant 3 line LED Display
- Auto Scrolling features
- Standard RS-485 Modbus communications

**Eta** "Power Monitoring"

Multilin  
Partner



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## Standard Features

The EPM 2000 meter measures more than 40 electrical power parameters providing a low-cost, multifunction monitoring solution for industrial and power generation applications. EPM 2000 can easily be mounted in a panel for generator monitoring, substation automation and more. Meter can also provide data to RTUs, PLCs and other control devices. When used with the EnerVista suite of software, meters can be remotely monitored.

### Digital Communication

The EPM 2000 has a built-in, RS485 standard, communication capability using open Modbus RTU protocol. The meters can be daisy-chained using RS485 twisted pair. The baud rate can be adjusted from 1200 bps to 19,200 bps.

### Metering

The following electrical parameters are measured and displayed locally on LED display and can be remotely accessed from the EPM 2000.

- Volts LN per phase and average
- Volts LL per phase and average
- Amps per phase and average

- kVA per phase and total
- kVAh total
- kVAR per phase and total
- kVARh total inductive and total capacitive
- kW per phase and total
- kWh total
- PF per phase and total
- Frequency
- Amps phase angle ( $\Delta^{\circ}$ ) per phase
- Hours run, on hours and number of outages

### Display Features



- Brilliant 3 line, 4 digit per line, (digit height 14mm) LED display with auto-scaling capability for Kilo, Mega and Giga
- Meter can display volts, amps and frequency simultaneously

## RS 485 Modbus Communication





