

Simplify Energy Monitoring & Drive Savings

EM4900 Series
Multi-circuit Power Meter



schneider-electric.us/powermonitoring

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Simplify

Install one device and add up to 28 three-phase meters, minimizing cost and space per meter

The EM4900 Series Multi-Circuit Power Meters make it easy to add many revenue grade metering points without having to purchase, mount, wire and commission individual energy meters. Simply add a single device with common voltage inputs and communication interface that can measure the current, voltage, power and energy consumption of up to (14) 3-phase circuits with a single board or up to (28) 3-phase circuits with a two board configuration. Save on the cost of both equipment and installation.

- Affordable Metering Point
 - Add many metering points with low equipment and installation costs
 - Small enough to fit inside many existing electrical panels
- Common CTs, 1/3V Outputs
 - Eliminates need for shorting blocks and allows long CT lead extensions without compromising accuracy
- Revenue Grade Measurement
 - ANSI & IEC Class 0.5% accuracy, ideal for tenant billing
- Configure the Meters You Want
 - User-configurable to any combination of 1, 2, or 3-phase meters
- The Protocol you Need
 - Modbus RTU standard on all models. EM4900 Series models add BACnet MS/TP and Modbus TCP, BACnet IP (with BBMD support) and SNMP via Ethernet

Real Time Measurements	Current: multi-phase averages and per phase
	Current phase angle per branch
	Real power (kW): multi-phase totals and per phase
	Apparent power (kVA): multi-phase totals and per phase
	Power factor: multi-phase averages and per phase
Demand Measurements	Current present demand: multi-phase averages and per phase
	Real power (kW) present demand: multi-phase averages and per phase
Historic Maximums	Maximum instantaneous current: multi-phase averages and per phase
	Maximum current demand: multi-phase averages and per phase
	Maximum real power demand: multi-phase totals and per phase
Accumulated Energy	Energy (kWh): multi-phase totals and per phase
Energy Snapshots	Energy (kWh): multi-phase totals and per phase

[Modbus Alarms](#)

EM4900 Base Board



EM4900 Adapter Board



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Contact a Power Monitoring Specialist today.
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