



EM-6000 Electric Submeter

Multi-Circuit Electric Smart Meter

Overview

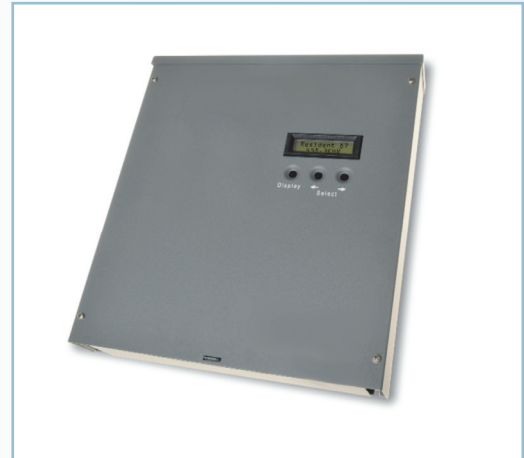
H2O Degree offers a variety of submeters for your energy management applications.

The H2O Degree EM-6000 Electric Smart Meter combines revenue-grade electrical submetering with advanced communication technology—complying with all regulatory electric safety and communication requirements and meeting stringent ANSI C12.20 Class 0.5 standards.

Using advanced IP-based communications, the 6000 Series meter transmits data over existing wireless, phone or high-speed internet connections without the cost of a dedicated service. There is no need to purchase or maintain additional computers or meter reading equipment.

Features

- Fast installation for new construction or retrofits with maintenance-free design.
- Measures Wh delivered & received, VARh delivered & received, Vah, Vrms and Irms.
- Modbus® TCP and BACnet® protocols for building automation integration.
- Datalogging: non-volatile flash memory unaffected by power outages stores up to 2.4 years of interval data.
- Uses existing wireless, phone or high-speed internet connections.
- Remotely upgradable firmware for future protocol support.
- Solid-core 200A Current Transformer, CTR 200:0.08A
- Required M54500 Interface module.



Configurations

6303 Multi-Point Smart Meter—Designed to monitor branch offices, remote loads and other low density applications. The 6303 provides six meter elements that can be configured as any combination of 1-, 2- or 3-phase meters.

6312 High Density Smart Meter—Designed to monitor multi-tenant office buildings, medium-sized retail, industrial or institutional buildings, multi-tenant residential buildings and other high density applications. The 6312 provides twenty-four meter elements that can be configured as any combination of 1-, 2- or 3-phase meters.

6320 High Density Smart Meter—Designed to monitor high density applications but with additional elements available for configuration. The 6320 provides fifty meter elements that can be configured as any combination of 1-, 2- or 3-phase meters.

Ordering Information

Model	Description
EM-6303	EM-6303 Multi-Point Electric Smart Meter—6 element
EM-6312	EM-6312 Multi-Point High Density Electric Smart Meter—24 element
EM-6320	EM-6320 Multi-Point High Density Electric Smart Meter—50 element
M54500	Required Interface Module—See spec for details.

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Technical Specifications

Technical Specifications

- Dimensions: 13" H x 12" W x 2" D
- Voltage: 120/208V, 120/240V, 240/416V, 277/480V (Higher voltages supported with potential transformers)
- 50Hz and 60Hz models
- Service Type: Single, Poly & 3-Phase + Neutral
- Accuracy: ANSI C12.20 0.5 Accuracy Class
- Measurements: Wh delivered & received, VARh delivered & received, Vah, Vrms, Irms
- Demand Interval: 1 to 60 minutes
- Operating Temperature: -40 to +70 degrees C (6320 = 0-50 degrees C)
- Operating Humidity: 0 to 90% non-condensing
- For indoor use only; NEMA 4 cabinet available for outdoor applications
- Maximum Altitude: 3000m (6320 2000m)
- Pollution Degree: 2
- Safety: UL Certified to IEC/EA/UL/CSA—61010-1 2nd Edition CSA-C22.2 No. 61010-1-04
- Emissions (EMC): FCC Part 15 Class B, ICES-003, IEC6100-4-5
- Surge power/telephone lines: ANSI/TIA968-A: 2002
- State of California Approved—Certificate Number: 5563©-15
- NYPSC Approved, Measurement Canada Approved

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EM-6320	EM-6320 Multi-Point High Density Electric Smart Meter—50 element

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