

H2O Degree offers a variety of electric submeters for all applications. In addition, H2O Degree works with leading third-party submetering suppliers to meet your specific project needs. Below are some of H2O Degree's electric submetering products.

## Stand-Alone Metering Products



### EM-1000 Features

The EM-1000 electric kWh meter kit with integrated wireless radio meets the rigorous requirements of ANSI C12.20 (0.5) Code for Electricity Metering, 0.5% Accuracy. Designed to provide a simple and effective process for accurately capturing measurements of power consumption. EM-1000 meters are easy to specify and install for new construction and retrofits.

#### Ordering Information

Model	Description
<b>120/208-240V, 1 Phase, 200 Amp meter with 2 solid-core CTs Flush Mount Enclosure</b>	
EM-1000FP	Series 1000 electric meter with flush mount 1 or 2 phase 120/240 VAC includes 2 solid core CT
M54170	Electric Meter - 120/240 VAC 3 wire w/ wireless radio, power supply set, and includes (2) solid core CTs



### E-Mon D-Mon Meter Features

E-Mon D-Mon meters offer a variety of solutions for KWH, Demand and Smart Metering Applications. Meters include split-core current sensors for easy installation in new or retrofit applications. Meters are available for single and three phase applications from 120/277 volt through 600 V configurations and offer a variety of current sensor amperages to fit your application. Contact H2O Degree to determine the best E-Mon D-Mon product to fit your application. Meter is compatible with H2O Degree wireless systems. Email [info@h2odegree.com](mailto:info@h2odegree.com) or call (215) 788-8485.



### Quadlogic S10 Meter Features

Quadlogic uses a patented Power Line Communications technology to transmit meter data over buildings' existing power lines. No additional wiring or meter readers are required. Meters install quickly and provide all the data you need to bill tenants, allocate energy costs and make smart energy decisions. Meter is compatible with H2O Degree wireless systems. Contact H2O Degree to determine the best Quadlogic product to fit your application. Email [info@h2odegree.com](mailto:info@h2odegree.com) or call (215) 788-8485.

## Din-Rail Metering Products



### EM-2000 Meters with ModBus Communication Features

The EM-2000 electric submeter is an advanced universal smart meter for all of your metering applications. The Revenue Grade meter can be used on single-phase (120V 2-wire or 120/240V 3-wire or 120-480V 4-wire) applications. The meter is equipped with fast RS-485 communications and is compatible with 50/60 Hz applications. Meter supports 100A to 5000A CTs. This meter will work with any system commonly used around the world.

**Ordering Information** \* Additional CTs available, contact factory, \*\* Requires M54550 Radio Interface - see spec sheet for details.

Model	Description
EM2000-01	Series 2000 electric meter Single phase or 3 phase 120 to 480 volts
EM2000-02	Series 2000 electric meter UL Listed Single phase or 3 phase 120 to 240 VAC



### EM-3000 Meters with ModBus Communication Features

The EM-3000 is a three-phase energy meter is ideal for applications that require standard parameters for monitoring and controlling power distribution systems, medium to low voltage systems, industrial automation and commercial facilities. Meter is available with our without LCD display.

**Ordering Information** \* Additional CTs available, contact factory, \*\* Requires M54556 Radio Interface - see spec sheet for details.

Model	Description
EM3000	Series 3000 electric meter DIN mounted single phase or three phase 120-240 VAC
EM3001	Series 3000 LCD Display option for Series 3000 DIN mounted electric meter

## Branch Circuit Monitoring Products



### EM-8000 Features

The EM-8000 is a multiple branch circuit electric meter that collects granular energy intelligence data for tenant billing, cost allocation and energy management. The device can accommodate up to 36 submetering points, giving total flexibility for configuration of up to 36 single-phase, 18 two-phase, 12 three-phase or any combination thereof. The EM-8000 is ideal for submetering applications in apartment and multi-family facilities. The EM-8000 is available with both split & solid core current sensors for increased flexibility.

**Ordering Information** \*\* Requires M54557 Radio Interface - see spec sheet for details.

Model	Description
EM8000	EM-8000 Branch Feeder Monitor for of measuring (12) 3 phase , (18) 2 phase, or (36) Single phase circuits
CT8000-SOL-100	100 Amp Solid Core CT for use with EM-8000
CT8000-SPL-100	100 Amp Split Core CT for use with EM-8000



### EM-6000 Features

The 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. The meter comes with 24 meter elements that can be configured as any combination of 1 phase, 2 phase or 3 phase meters. The Modbus output from the meter can be connected to the H2O Degree M54500 Transceiver to create a wireless connection to the H2O Cloud Service. The solution is ideal for multi-meter points or branch circuits in one central location such as an electrical room on the floor or in the basement.

**Ordering Information** \*\* Requires M54558 Radio Interface - see spec sheet for details.

Model	Description
EM-6000	EM-6000 Multi-Point High Density Electric Smart Meter - 24 element

## Socket Meter Products



### EM-7000 Features

The EM-7000 electric socket 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. The meters are part of a fully integrated wireless communication system based on 900 MHz radio technology. All meter data is collected through the system and reported back to the H2O Degree Cloud for visualization for tenant billing and energy conservation.

**Ordering Information** \* Requires IT1000 Or IT1002 for data delivery.

Model	Description
EM70002S	Series 7000 electric socket meter FORM 2S 120 volts 200 amp data on demand radio
EM700012S	Series 7000 electric socket meter FORM 12S 120 volts 200 amp data on demand radio
VG7000	DataGate includes Modbus over Ethernet and H2O Degree software modules for use with EM7000 series meters
VG7001	Repeater for use with VG7000 and EM7000 series meters

## Modbus Meter Interface Products



### M5455x Transceiver - Interface w/ Modbus Electric Meters

The M5455x is a wireless transceiver. The device monitors and records kWh consumption from up to 40 Modbus electric meters over a RS-485 serial line and transmits the data to the H2O Degree gateway. The M5455x can be provided in a NEMA4 enclosure for indoor or outdoor applications. H2O Degree has built drivers to interface Modbus to Wireless communication from some of the leading manufacturers of electric meters. Customized drivers can be built for any Modbus metering device on a case-by-case basis.

**Ordering Information**

Model	Description
M54550	RS-485 Modbus Radio communicate with up to (20) EM2000-01 or 02 electric meters
M54555	RS-485 Modbus Radio communicate with up to (20) EM1500 electric meters
M54556	RS-485 Modbus Radio can communicate with up to (20) EM3000 electric meters
M54557	RS-485 Modbus Radio for use with EM8000
M54558	RS-485 Modbus Radio for use with EM6000
PS-1001	120 VAC to 9 VDC Wall Plug 0.67 amp power supply
PS-1007	24 VAC to 12 VDC Slip In 250 ma power supply