

Plug-in Watt-Hour Metering for any Circuit

Smart-Watt Inline High-Resolution Watt-Hour Meters are compact, easy to deploy and highly accurate. Simply connect the male plug to your power source and connect the equipment to be metered to the female receptacle. Smart-Watt continuously monitors the circuit and records the cumulative energy consumption by the attached devices in 1/10th watt-hour increments.

In addition to cumulative energy usage, Smart-Watt can also determine the load on a circuit over any reading period in watts. Data can be logged to provide highly accurate load profiles for each monitored circuit.

Smart-Watt can also detect power interruptions. Smart-Watt has an internal power-cycle counter that increments each time source power is lost providing an accurate record of all power interruptions on a monitored circuit.

Smart-Watt exceeds ANSI Standards for watt-hour meter accuracy so you are assured of the same high accuracy standards that public utilities require for their meters. This is an important consideration if you intend to bill your customers for their power usage.

Smart-Watt supports a wide range of network reading options. You can daisy-chain multiple Smart-Watts together and read them automatically from a host computer through a Serial Port Adapter or USB Port Adapter. With the addition of a Smart-Net Gateway you can remotely connect to a group of daisy-chained Smart-Watts across a TCP/IP network. The Smart-Net Gateway supports reading Smart-Watts via XML based Web Services or automatically logging the data to a remote FTP Server.

Inline Smart-Watt's are available for both 120 and 208-240 VAC circuits with most popular NEMA or IEC plugs and receptacles.



SW25030-1B-0801



SW25015-1A-0000

Inline Smart-Watt Features

- High-Resolution Watt-Hour Meter: Accurately records the energy consumption of any circuit in 1/10th watt-hour increments.
- Load Detection: Compute the circuit load over any reading period in watts.
- Power-Cycle Counter: Power interruptions are detected and recorded.
- Typical Accuracy: 0.2%
- Plug and Play: Host software can automatically discover and configure newly connected Smart-Watts making deployment effortless.
- Parameters available for network reading: Unique Smart-Net ID, User Programmable ID, Model Number, Rated Amperage, Rated Voltage, Watt-Hour Reading, Power-Cycle Reading
- Single Point Connectivity: You can read hundreds of daisy-chained Smart-Watts through a single Serial Port, USB Port or IP Address.
- Read daisy-chained Smart-Watts directly from a Smart-Net Serial Port Adapter, Smart-Net USB Port Adapter, or remotely across a TCP/IP network via a Smart-Net Gateway.
- Open Standards: Smart-Net Gateway supports reading multiple Smart-Watts through a single IP address using XML Web Services or automatic FTP logging.
- Overload Protection: Available with or without integrated Circuit Breaker.
- Case Construction: 18 gauge electro-galvanized steel, color black
- Case Dimensions: 4.325" Length x 2.865" Width x 1.848" Height
- Integrated Mounting Bracket with 5" OC Hole Pattern supports mounting vertically on rack rail.
- Data Retention: All Smart-Watt Data retained by battery-backed RAM through power interruptions or disconnections.
- 120 or 208-240 VAC models with NEMA or IEC plugs/receptacles.

Smart-Watt Inline Models

Volts	Amps	Input Plug	Input Cord	Output Receptacle	Output Cord	Model Number
100-250	15	C14	0'	C13	0'	SW25015-1A-0000
100-250	20	C20	0'	C19	0'	SW25020-1A-0000
100-250	20	L6-20P	8'	L6-20R	1'	SW25020-1B-0801
100-250	30	L6-30P	8'	L6-30R	1'	SW25030-1B-0801
100-125	20	L5-20P	8'	L5-20R	1'	SW12520-1B-0801
100-125	30	L5-30P	8'	L5-30R	1'	SW12530-1B-0800

