

Yosemite

3 Wire, 120 volts to Neutral 240 volts Line to Line

The Yosemite watt-hour meter is used to measure the power used in most homes in North America, 240 volts between the two hot wires and 120 volts between either hot wire and neutral. It consists of a 4010 or 4210 electronics module, two current transformers, and an electro-mechanical counter that displays the accumulated power used.

Available Models

Yosemite 200

Stand-alone power meter capable of measuring up to 200 amps.

Yosemite 100

Stand-alone power meter capable of measuring up to 100 amps.

Yosemite 20*

Stand-alone meter capable of measuring up to 20 amps. This meter is useful for measuring power used by a single appliance or circuit.

Yosemite Plus 200

Computer-readable power meter capable of measuring up to 200 amps.

Yosemite Plus 100*

Computer-readable power meter capable of measuring up to 100 amps.

Yosemite Plus 20*

Computer-readable power meter capable of measuring up to 20 amps.

Yosemite Plus IO 200, 100 & 20*

Same as Yosemite Plus models with added twisted pair communications capability plus three input-output control ports for monitoring switch positions, activating relays, or reading pulse type meters (water, gas, etc).

Suggested Options

Model 4900 Tamper shield allows meter to be sealed

Model 4910 Counter label for mounting on power pedestal

Model 4925 Mounting plate for electro-mechanical display

* Special Order item. Not normally stocked.



The Yosemite watt-hour meter

The current transformers are the round donuts on the left with the wires coming out of them. The electromechanical display counter is shown at top center. A pencil is shown as a size reference. A small screw driver that fits the meter terminal screws is shipped with each meter order.

Installation Considerations

See the Basic Meter Installation sheet for detailed instructions on installing the meters. If you are installing a Plus model of the Yosemite meter, see the detailed EZ Meter Watt-hour Meter Reference Manual for layout considerations and the Plus Meter Installation sheet for additional info about installing these models.

The model 4010 (stand-alone) and model 4210 (computer-readable) electronics modules will accommodate one or two current transformers. In fact, a Yosemite meter system is simply a Sequoia with a second current transformer. When installing only one current transformer, it must be connected to the CT #1 Red and CT#1 Black terminals and the voltage reference must be connected to 90-140VAC #1. Connecting in any other manner will prevent the meter from proper operation.

Certifications

All models of the Yosemite meter have been tested by Underwriters Laboratories to UL1244 and are recognized components when installed in a NEMA enclosure appropriate for the location. The meters meet or exceed the accuracy standards of ANSI C12.1(1995). All models of the Yosemite meters are available modified for use in California for revenue billing.

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EZ
METER

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