

Glacier

2 Wire, No Neutral 240 Volt, Single Phase Meter

The Glacier power meter is used to measure electric power in a 240 volt circuit where a neutral is not present. If a neutral is present, a Yosemite meter should be used as the Glacier will not properly meter any loads between one of the hot legs and neutral should such a load exist. It is most commonly used in air conditioners and other appliances where a neutral is not present.

Available Models

Glacier 200

Stand-alone power meter capable of measuring the power used in a 220-240 volt electrical system where no neutral is present. Loads up to 200 amps are accommodated.

Glacier 100

Stand-alone power meter capable of measuring up to 125 amps in each circuit.

Glacier 20

Stand-alone power meter capable of measuring up to 20 amps in each circuit.

Glacier Plus 200*, 100*, & 20*

Computer-readable power meter capable of measuring up to 200, 100 or 20 amps in each circuit, respectively. Power line communications only.

Glacier Plus IO 200*, 100* & 20*

Computer-readable power meter capable of measuring up to 200, 100 or 20amps in each circuit, respectively. Power line or twisted pair communications. Three I/O ports.



The Glacier watt-hour meter

The current transformer (CT) is the round donut on the left with the wires coming out of it. The electromechanical display counter is shown at top center. The meter consists of a Model 2410 or 2510 electronics module, one current transformer, and one electro-mechanical display counter.

Installation Considerations

The Glacier power meter uses just one current transformer to measure the power in a two wire system by using one of the hot legs as the reference. As long as a neutral is not present in the electrical system, it does not matter which leg the current transformer is on as long as that leg is connected to the terminal marked 200-280VAC #1. Do not connect anything to the terminals marked NC.

Certifications

The Glacier meters have not been tested to UL or CSA safety standards.

The individual elements have been tested to comply with ANSI C12.1(1995) accuracy standards, but the accuracy of the meter is affected by unbalanced loads.

Suggested Options

Model 4925 Mounting plate for electro-mechanical display

* Special Order Item. Not normally stocked.

Davidge Controls

583 N Refugio Rd
Santa Ynez CA 93460-9701
www.davidgecontrols.com



Toll free (800) 824-9696
Direct (805) 688-9696
Fax (805) 688-3306
moreinfo@davidgecontrols.com