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HOBO® FlexSmart™ True RMS Current/Voltage Module for the HOBO® Energy Logger Pro™ Data Logger System

The FlexSmart True RMS Module mounts on the top of the logger and accepts 2 channels of AC Current and/or Voltage from sensors with 333mV FS output. Each channel can be configured separately. The result is high accuracy measurements of sinusoidal as well as non-sinusoidal wave forms associated with variable frequency drives and similar equipment.



FlexSmart True RMS Inputs

The True RMS Module accepts sensors for:

- AC Current
- AC Voltage

See system configuration drawings:

- 1-phase Current and Voltage
- 3-phase Current and Voltage

How Does It Work? — Its Easy!

FlexSmart modules can be easily reconfigured to accept new sensors. It's as easy as 1-2-3!

1. Connect a two-wire or three-wire sensor or transducer to the FlexSmart module via screw terminals, and plug the FlexSmart module into the HOBO Energy Logger Pro.
2. Using the Software Configuration Tool in HOBOware® Software, choose measured property/units, scaling of units, and sensor warm-up time. All configuration information is electronically stored in the module, allowing easy plug-and-play operation for future deployments.
3. Go to the HOBOware launch screen and select "Launch Logger," then deploy the HOBO Energy Logger Pro in chosen location.

Features & Specifications:

Input Channels:
2

Range:
5mV to 512mV input; compatible with 333mV FS output sensors

Maximum input:
±1V

Minimum input:
5mV

Accuracy:
±0.3% of reading ±0.5% FSR*

Resolution:
12-bit

Field wiring:
2-wire via screw terminals

Dimensions:
3.5cm x 5.7cm x 1.9cm (1.38 in. x 2.25 in. x 0.75 in.)

Weight:
21.2g (0.75oz)

* Crest factor may cause additional error

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