

Architectural Energy Corporation (AEC) stocks potential transformers in three voltages for use with the HOBO® FlexSmart™ Logger. You will need one potential transformer (PT) for each channel of voltage you want to measure and a TRMS Module to connect the PT to the logger; each TRMS Module can connect two PTs to the HOBO® FlexSmart™ Logger.

POTENTIAL TRANSFORMERS

Potential transformers are used for voltage measurements in 60 Hz AC electrical systems. These precision step-down transformers provide electrical isolation and a safe, 333 mV AC full-scale output signal proportional to the high voltage input.

Potential transformers have an accuracy of +/- 0.5% from 0 to 130% of their rated voltage. The housing of the sensor is epoxy-filled ABS plastic.

Size: 1.83 x 2.23 x 1.45

Connections: PVC insulated wire, UL 1015, 8ft. long

High Voltage Input: #14 AWG blue/brown

Low Voltage Output: #22 AWG twisted pair, black/white

<u>Part Number</u>	<u>Rated Voltage</u>	<u>Maximum Voltage</u>
PT-0375-115	115 Volt Model	155 Volts
PT-0375-230	230 Volt Model	311 Volts
PT-0375-460	460 Volt Model	622 Volts



FlexSmart TRMS Module

The FlexSmart analog module is an easy-to-configure and flexible DC input module that accepts a wide range of Onset or third-party sensors. The FlexSmart module accepts sensors with 0-20V or 0-20mA output (including devices with 4-20mA current loop interface). Precision electronics provide ±0.25% FS accuracy over the entire operating range.

<u>Part Number</u>	<u>Signal Read</u>	<u>Commonly Used With:</u>
S-FS-TRMSA	333 mV	<ul style="list-style-type: none">• Current Transducers• Potential (voltage) Transformers

