



S-FS-TRMSA

FlexSmart TRMS Module (2 channels) Sensor

A 15-bit two-channel module accepts an input range of 5mV to 512mV and is compatible with 333mV FS output sensors. Field wiring is 2-wire via screw terminals.



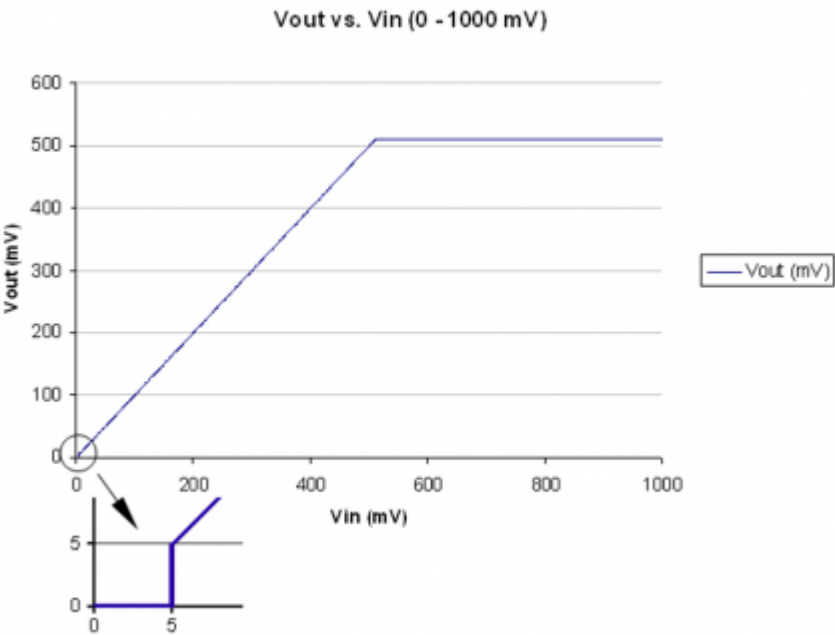
Key Advantages:

- 2 input channels of AC Current and/or Voltage
- Measures True RMS for accurate readings of sinusoidal and non-sinusoidal waveforms

HOBO S-FS-TRMSA Sensor Specifications

Input Channels	Two; AC-coupled
Field Wiring	Two-wire via screw terminals on detachable connector, 16-24 AWG Replacement detachable connectors: Part of spares kit (A-FS-TRMSA-4P-1)
Input Range	5 to 512 mVRMS
Minimum Input Voltage	5mVRMS; Input voltages < 5mV will be clipped to zero (see graph below)
Maximum Input Voltage	±1V referred to AC- terminals (pins 2 and 4)
Input Frequency	50/60 Hz
Accuracy	±0.3% of reading +/- 0.5% of FSR
ADC Resolution	15 bits
AC Waveform	<4 Crest Factor
Power Requirements	+3.3V @ 3mA active, 6A sleep
Transfer Function	$VRMS = \sqrt{\frac{1}{T} \cdot \int_0^T [V(t)^2] dt}$

Measurement Averaging Option	Yes
	The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).



Minimum Input Voltage Graph

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

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