



S-FS-TRMSA-D

FlexSmart TRMS Module (2 channels) w/modular plug Sensor

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

IMPORTANT NOTES:

If using the S FS TRMSA D with a U30 GSM or RX3003-00-01, RX3004 or RX2100, the S FS TRMSA D should be located approximately 1 meter (3 ft) from the cellular station to avoid interference from the GSM radio. Use Smart Sensor extension cable Onset part # S EXT M002.

If using the S FS TRMSA D with a RX2100 or RX3004 and you are using both the TRMSA-D modules and smart sensors, then you are limited to a maximum of 2 TRMSA-D and any combination of smart sensors to reach a total of 13 data channels. For example, if there are two (2) TRMSA-D modules (4 data channels) in use with the RX3000 or RX2100 station, then this will leave nine (9) additional data channels for smart sensors.



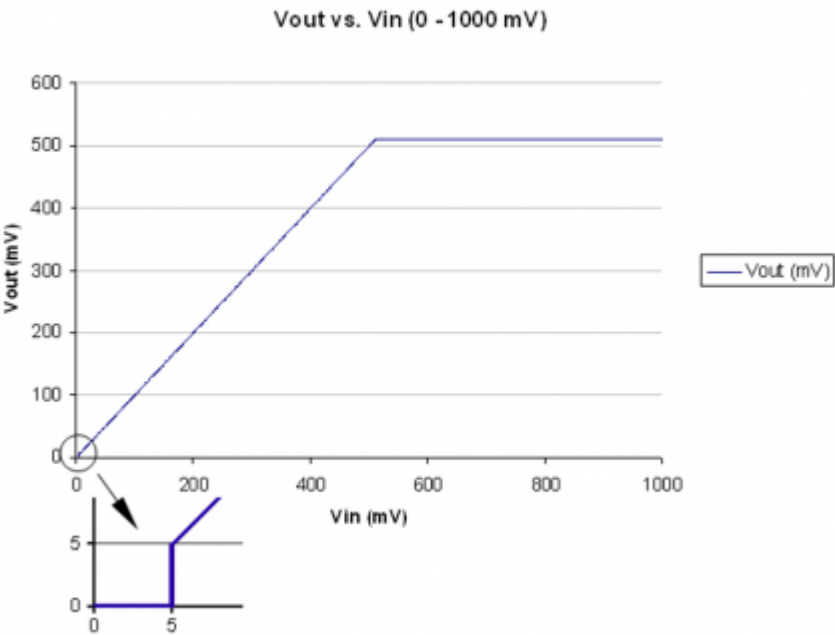
Key Advantages:

- 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-D 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

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Technical Support (8am to 6pm ET, Monday through Friday)

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