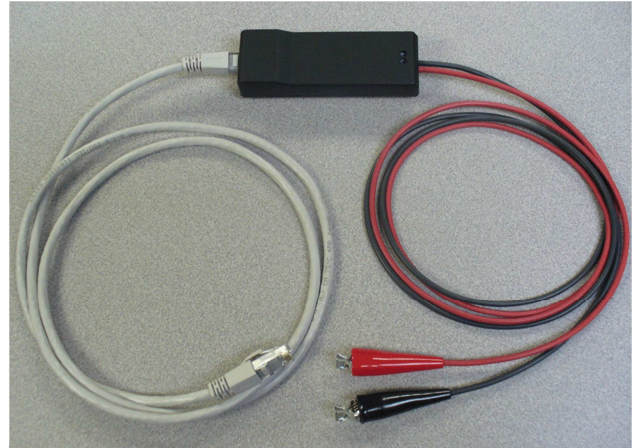


Part No. **VS-OA-500****AC/DC Voltage Sensor****Sensor Features:**

- Small, Rugged, Voltage Sensor
- +/- 500 V Peak Max Voltage Input
- Accurate AC/DC Voltage Measurements
- DC to 5 KHz Bandwidth
- High Accuracy +/- 0.05%
- Single Cable for Power and Output Signals
- DIN Rail Mounts
- UL, CUL Certified
- Fused Input

**Sensor Description:**

The small, rugged, differential voltage sensor is used for measuring AC/DC voltages. The input is fused to protect the measured source. It utilizes a built-in isolation amplifier to convert the high differential input to a low differential output with a ratio of 200:1. Measurements can be made directly across circuit components without the need for a common ground. Power is provided to the sensor via the data acquisition unit. The sensor uses a single RJ45 cable with 4 pins for both power and output signals.

**Sensor Inputs/Outputs:**

The sensor provides a 2 position terminal block for the differential input. Attached to the terminal block is a pair of silicone red and black wire leads terminated with steel clips. The input range is from -500 to +500 V peak with a bandwidth up to 5 KHz. The sensor provides a single RJ45 female connector for the differential output. Attached to the female connector is an RJ45 male cable for both the power and output signals. The output voltage range is from -2.5 to +2.5 volts with an accuracy of +/- 0.05%.

**Sensor Specifications:**

Maximum Voltage Input	+/- 500 V Peak
Output Voltage Range	+/- 2.5 Volts
Ratio	200:1
Bandwidth	DC to 5 KHz
Accuracy	+/- 0.05%
Supply Voltage	5 VDC
Supply Current	30 Milliamps
Input Connector	Screw Terminal, 2 Position
Input Connector Gauge	10 to 24 AWG
Input Impedance	1 M Ohm / 10 pF
Dimensions (L x W x H)	4.25" x 1.5" x 1.0" Inches
Absolute Max Isolation	750 Vrms
Fuse 5V Power Input	375 Milliamps
Fuse Differential Input	375 Milliamps
Temperature Range	-40 to 85 °C
Humidity Range	0 to 95% Non-condensing
Output Connector	RJ45 Female
Silicone Wire Leads	18 AWG

**Contact Us:**

To purchase sensors, please contact our Sales Department at 800-818-3463, [sales@softstuf.com](mailto:sales@softstuf.com)

Hours: Monday - Friday, 9:00 a.m. to 6:00 p.m. EST  
(Visa, Master Card, American Express, & POs accepted)

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