



eGauge High Voltage Sensor

ver.1.1 – 11/2025

Model: EV1000

The eGauge High Voltage Sensor is a fully isolated voltage transducer which measures up to 1000 VDC or 707 VAC and outputs a proportional $\pm 0.5V$ signal.

The EV1000 is designed to work with the eGauge Pro, eGauge Core, and eGauge Core Residential. These meters feature CTid technology which allows auto-detection of sensor type, serial number and other calibration information.

The High Voltage sensor features an onboard LED which can be used to identify or locate a particular sensor connected to a particular meter input. The EV1000 requires the eGauge Sensor Hub (ESH044) and either a 5Vdc power supply or a USB port for power (a USB port on the eGauge meter may be used).

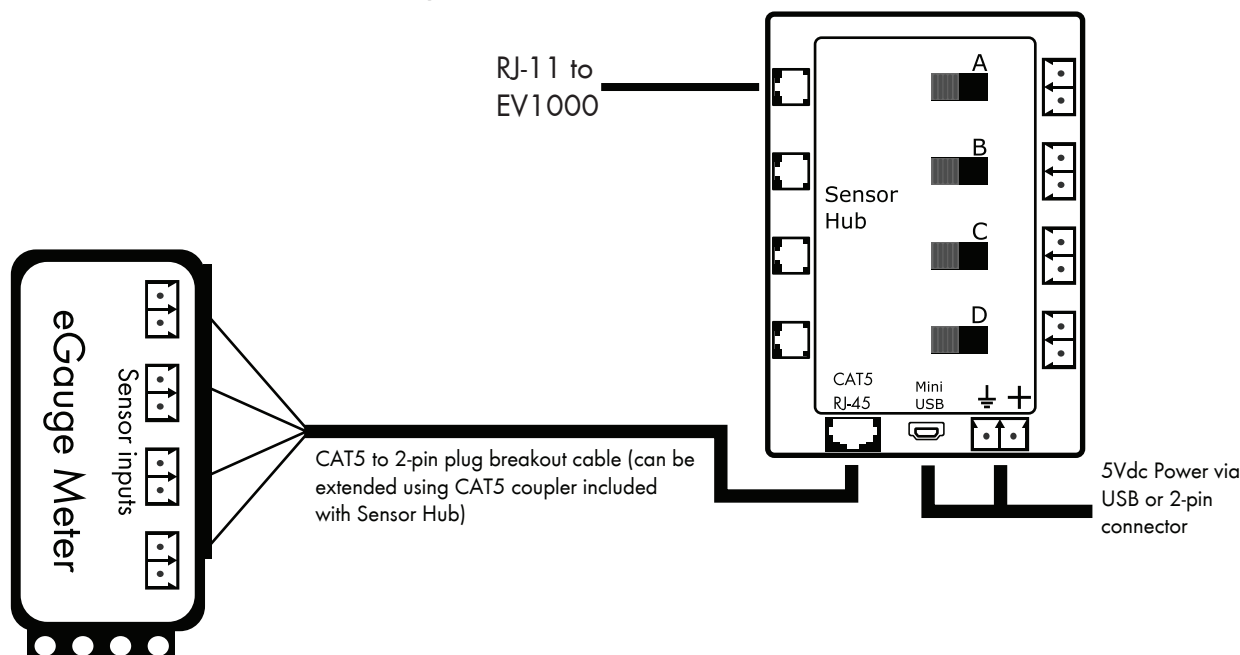


***Compatibility Note:** Installing the EV1000 near a VFD may result in inaccurate readings.

Max Voltage	1000 Vdc or 707 Vac
Frequency	DC to 1.5 KHz
Accuracy	Better than 0.5%
Wire Size	Up to AWG 10
Power Supply	5 V at 100 mA
Temperature Range	-30 °C to 70 °C
Interfaces	RJ-11 (CTid®) or 4-pin terminal block
Output Signal	$\pm 0.5 V_{rms}$
Mounting	Compatible with 35 mm wide, 7.5 mm tall DIN rails.
Dimensions	90 mm x 36 mm x 60 mm (3.5 in. x 1.4 in. x 2.4 in.)
Weight	60 grams (0.13 lbs.)
Certifications	UL 508 Ed. 18; FCC Title 47 CFR Part 15 Subpart B Class B; ICES-003 Information Technology Equipment Class B
Warranty	Limited 2-year warranty



Sensor Hub Connection Diagram



Dimensional Diagrams (mm)

