

eGauge High Voltage Sensor

Model: EV1000

The eGauge High Voltage sensor (EV1000) is a fully isolated voltage transducer which measures up to 1000 VDC or 707 VAC and outputs a proportional $\pm 0.5V$ signal.

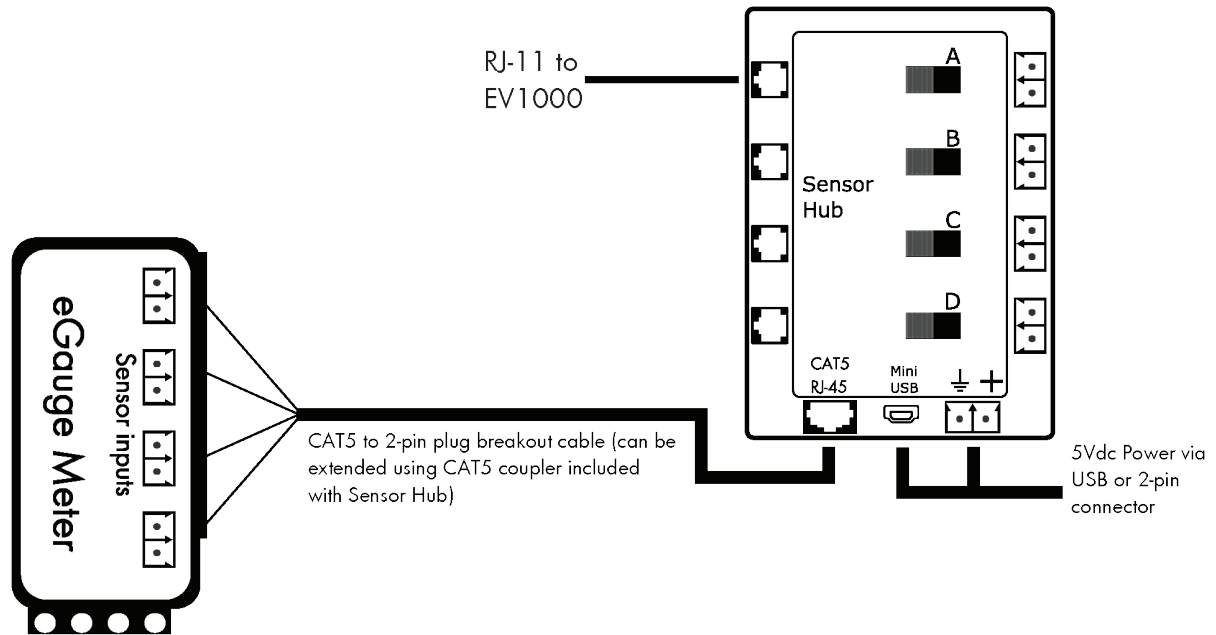
The EV1000 is designed to work with the eGauge Pro, eGauge Core, and eGauge Core Residential. These meters feature CTid technology which allows auto-detection of sensor type, serial number and other calibration information.

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).



Max Voltage	1000 VDC or 707 VAC
Frequency	DC to 1.5KHz
Accuracy	Better than 0.5%
Wire size	Up to AWG 10
Power supply	5V 100mA
Temperature range	-30 °C to 70 °C
Interfaces	RJ-11 (CTid®) or 4-pin terminal block
Output signal	$\pm 0.5 V$
Mounting	Compatible with 35 mm wide, 7.5 mm tall DIN rails.
Dimensions	90x36x60 mm ³ (LxWxH)
Weight	60 grams
Certifications	UL 508 Ed. 18; FCC Title 7 CFR Part 15 Subpart B Class B ICES-003 Information Technology Equipment Class B

Sensor Hub Connection Diagram



Dimensional Diagrams (mm)

