

# Temperature Probe Sensor (ETN100)

[Visit the online store page](#)

Model: ETN100

Requires the [eGauge Sensor Hub](#) and eGauge model EG4xxx (Pro or Core), not compatible with older model units.

When monitoring input/output temperatures, it is best to purchase multiple probes in the same order for highest accuracy.

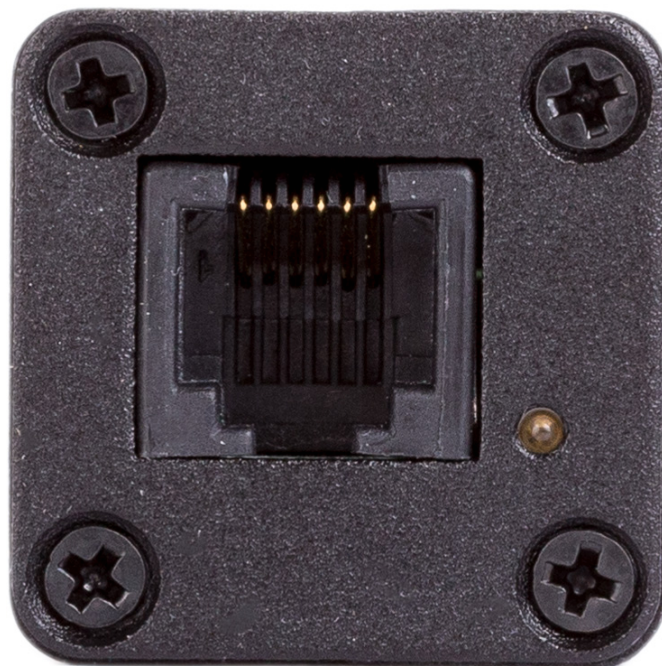
Only use straight-through RJ-11 cables to connect powered sensors to the Sensor Hub. Telephone systems generally use "reverse" style RJ-11 cables which are incompatible with the Sensor Hub. See [this article](#) for more information on verifying the correct RJ-11 wiring. Every Sensor Hub compatible sensor sold by eGauge Systems comes with a straight-through RJ-11 cable.

The eGauge Temperature Probe Sensor is used in conjunction with the [Sensor Hub](#) and an EG4xxx model meter (Core or Pro) to log temperature data. The Temperature Probe Sensor is used for precision fluid temperature measurement (through thermowell) and precision ambient temperature measurement from 0 °C to 100 °C. For ambient temperature monitoring, see the [Ambient Temperature Sensor \(ETLW\)](#).

[See our Sensors product introduction video here.](#)



*Side view of ETN100 and probe*



*Back-side of ETN100 with RJ-11 port and CTid locator LED*

# Specifications

## Full specs (data-sheet PDF)

### CAD file (STEP format)

- 0 °C to 100 °C (32 °F to 212 °F)
- Accuracy:  $\pm 0.1$  °C typical /  $\pm 0.5$  °C worst case
- Probe dimensions: 30 x 6 (mm)
- Extruded aluminum Case
- 26 x 26 x 40 (mm), 1.02 x 1.02 x 1.57 (in.)
- 7' RJ-11 cable for Sensor to SensorHub
- 47 CFR Part 15, Subpart B – Unintentional Radiators, Class B for Home or Commercial use
- US Patent # 10560763
- 2-year limited warranty

# Hardware included

- 1x eGauge Temperature Probe Sensor
- 1x 3-pin input plug

- [1x 7' RJ-11 cable for connection to Sensor Hub](#)

# Assembly/installation information

It is not advisable to extend the RJ11 leads from the Sensor to Sensor Hub. It is acceptable to use a longer RJ45 cable from the *Sensor Hub* to the *eGauge*.

If RJ11 cable between *Sensor* and *Sensor Hub* must be extended, it is advisable to use twisted pair wires, such as a CAT5 cable with RJ11 plugs (most commonly used for DSL modems).

If terminating own cables, both RJ11 and RJ45 cables should be straight-through cables, with the same color order on both ends.

1. [Install the sensors and Sensor Hub](#)
2. [Configure the sensors](#)

## Documents

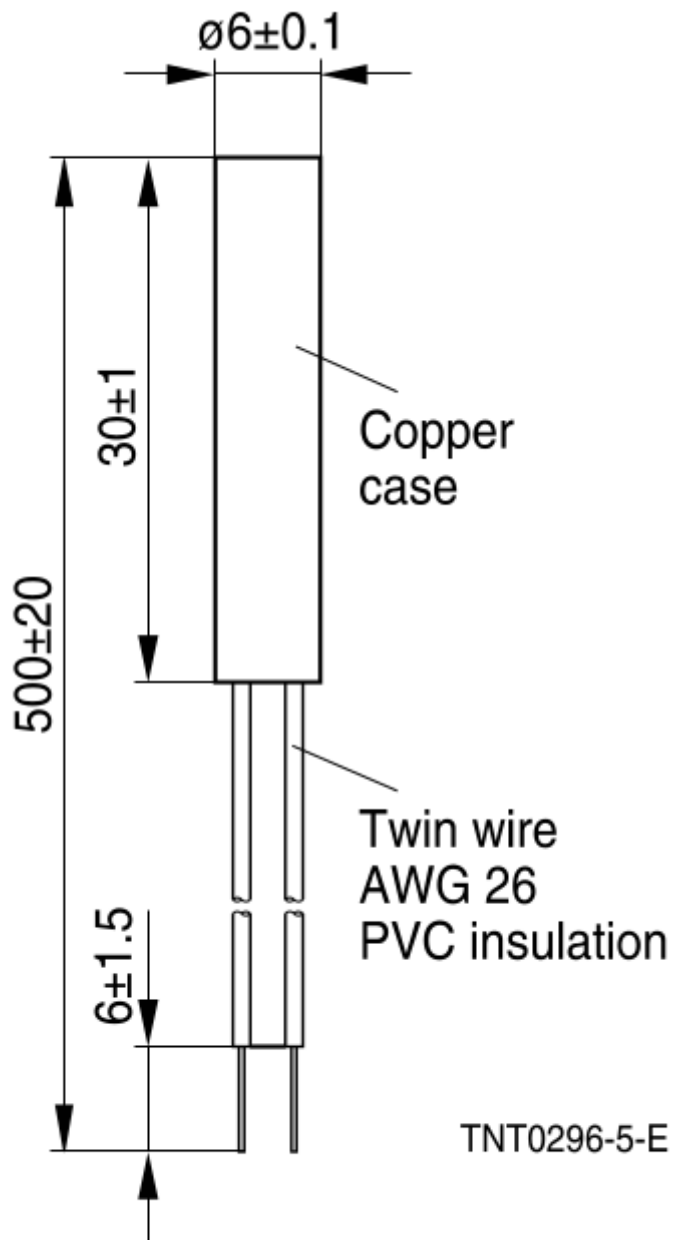
- [Spec Sheet](#)
- [FCC Declaration](#)
- [CAD file \(STEP format\)](#)

## Related Information

- [Sensor Hub Product Page](#)
- [Configuring CTid Sensors](#)

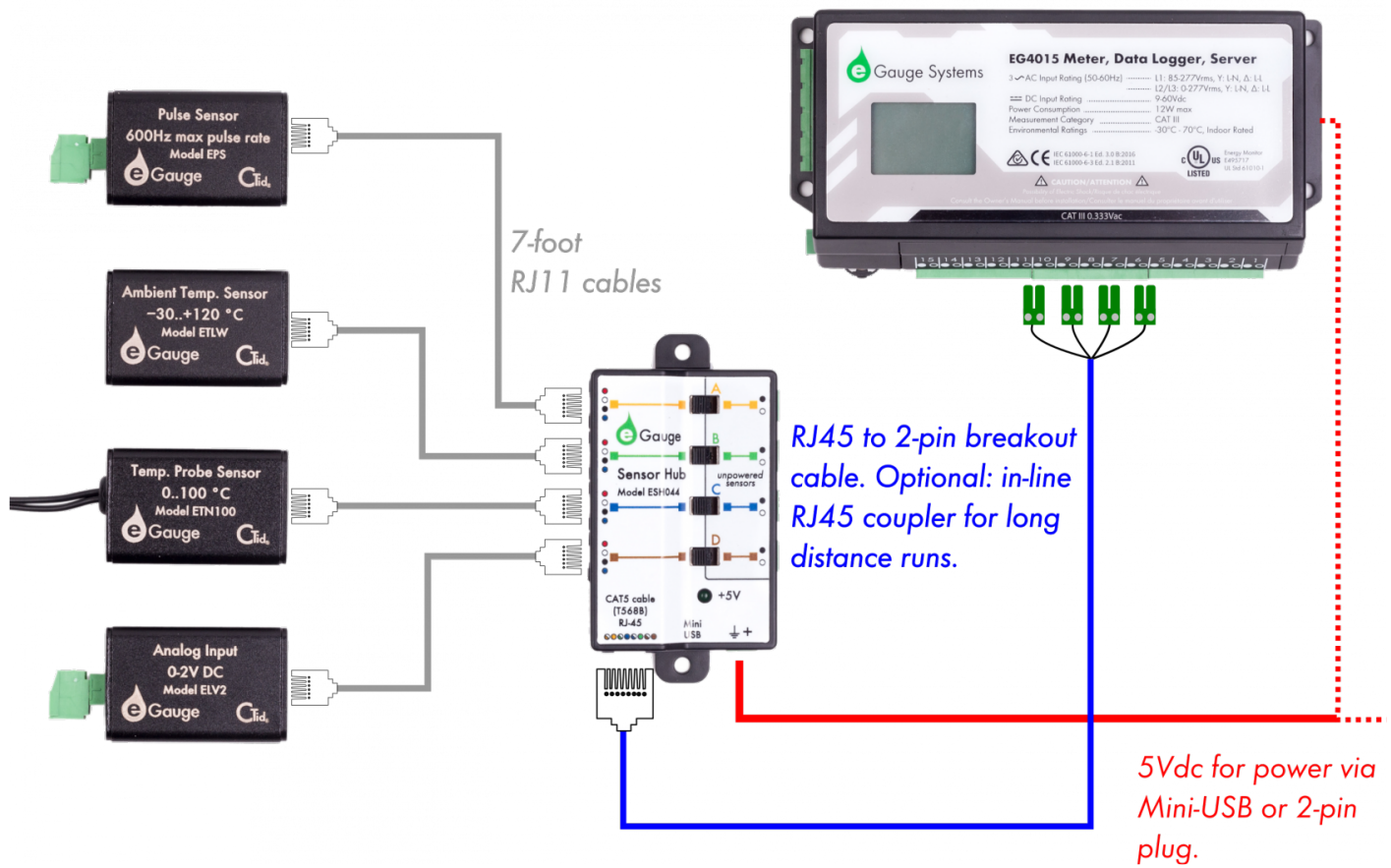
## Diagrams

### Probe dimensions



Dimensions in mm

Typical Setup Overview



Please visit [kb.egauge.net](http://kb.egauge.net) for the most up-to-date documentation.