

## Battery Terminal Temp Sensor (BTTS)



Designed to easily connect to battery terminals, the BTTS connects directly to the Negative Battery Terminal and provide readings to aid in monitoring the battery health, and internal temperature. As the battery terminal provides the closest thermal connection to the batteries internal plates it will give you the closest accuracy to the actual battery temperature. The sensor chip is insulated to help protect it from interference from ambient temperature fluctuations.



*Typical Installation on Lead Acid Battery*

### Technical Specifications

<b>Temperature</b>	
<b>Measurement Range</b>	-55°C to +75°C -67°F to +167°F
<b>Measurement Resolution</b>	securityProbe and sensorProbe+ series 0.1°C increments 0.2°F increments sensorProbe series 1°C increments 1°F increments
<b>Measurement Accuracy</b>	sensorProbe+ series and securityProbe series ±0.5°C accuracy from -10°C to +75°C ±0.9°F accuracy from +14°F to +167°F sensorProbe series ±1°C accuracy from -10°C to +75°C ±1°F accuracy from +14°F to +167°F
<b>Interface</b>	
<b>Communications cable</b>	RJ-45 jack to sensor using UTP CAT5e/6 cable
<b>Power source</b>	Powered by the base units. No additional power needed
<b>Power Consumption</b>	Typical 7.25mWatt, 1.45mA
<b>Maximum Cable Length</b>	Run length is 1000 feet (300 meters) with low capacitance shielded cable or UTP
<b>Sensor type</b>	Semiconductor, microprocessor controlled
<b>Dimensions</b>	56 x 55 x 33.3 mm
<b>Mounting</b>	DIN rail mounting Screw mounting
<b>Sensor count</b>	1

**BTTS - Technical Drawing**

