

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.

Technical Specifications

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

BTTS - Technical Drawing

