

Battery Temperature Monitoring

Designed to easily connect with battery terminals

The BTTS is designed to connect 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 of ambient temperature fluctuations.

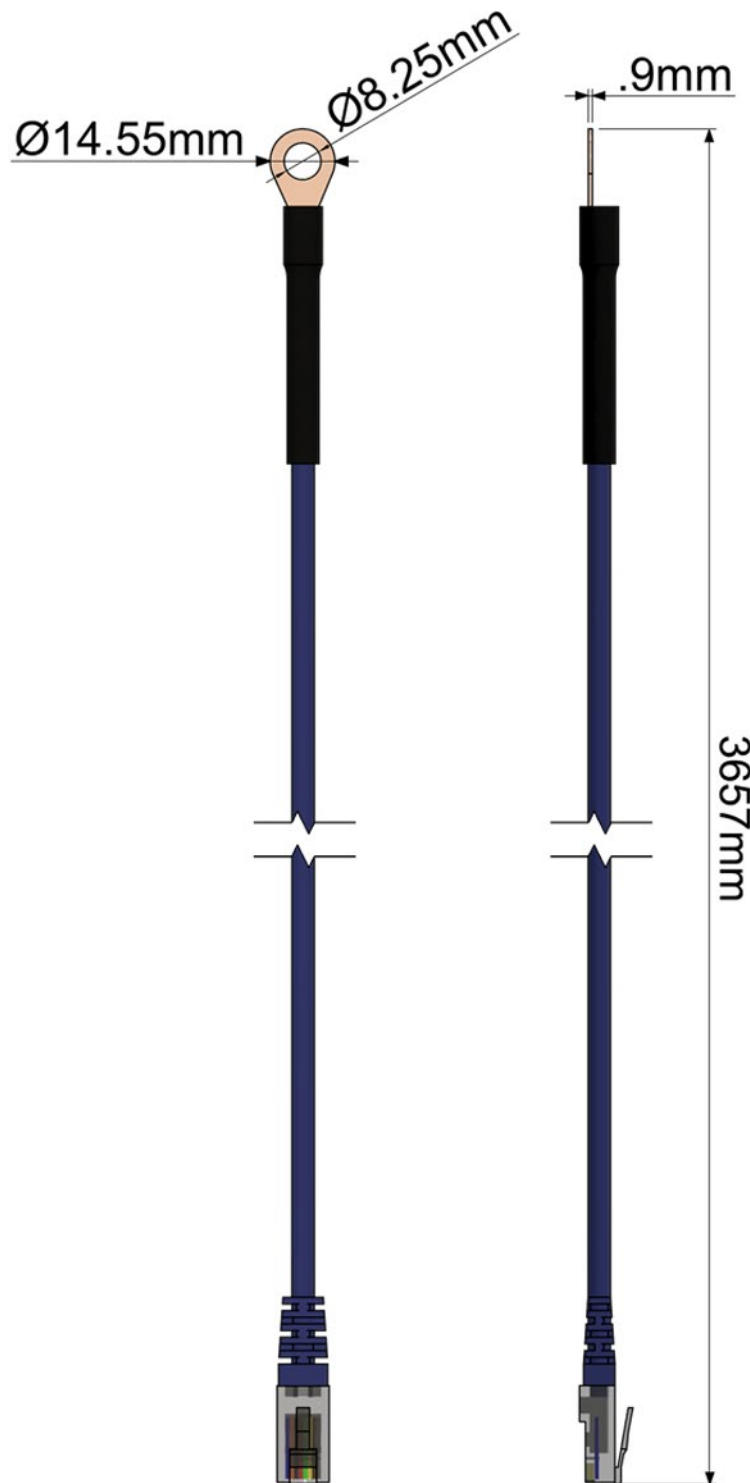


Example of installation on Lead Acid battery terminal. The sensor terminal lug can be easily attached to the terminal post and will conduct the temperature directly to the sensor chip.

Technical Specification

Never needs Calibration	
Measurement range Celsius	-55°C to +75°C
Measurement resolution Celsius	1°C for the sensorProbes and 0.5°C for the securityProbe units.
Measurement accuracy Celsius	±0.5°C accuracy from -10°C to +75°C
Measurement range Fahrenheit	-67°F to +167°F
Measurement resolution Fahrenheit	1°F for the sensorProbes and 0.9°F for the securityProbe units.
Measurement accuracy Fahrenheit	±0.9°F accuracy from +14°F to +167°F
Tube Material	Stainless Steel
Communications Cable	RJ45 jack to temperature sensor using UTP Cat 5 wire
Sensor Type	semiconductor microprocessor controlled
Power Source	powered by the sensorProbe. No additional power needed.
Power Consumption	Typical 10.70 mWatt, 2.14mA sensorProbe autodetects the presence of the temperature sensor
Measurement Rate	one reading every second Up to 2 temperature sensors per sensorProbe2, 8 per sensorProbe8. You can connect up to 8 on the securityProbe main unit and 8 more on each E-sensor8 expansion module.
Temperature Description IOD	.1.3.6.1.4.1.3854.1.2.2.1.16.1.1.<port>
Temperature Status IOD	.1.3.6.1.4.1.3854.1.2.2.1.16.1.4.<port>

Technical Drawing



About AKCP

AKCP established in the USA in 1981, created the market for networked temperature, environmental and power monitoring solutions. Today with over 100 employees and 130,000 installations, AKCP is the world's oldest and largest manufacturer of SNMP enabled networked sensors for the data center.