



Battery Temperature Sensor · BTS-0080

The BTS-0080 Battery Temperature Sensor is a low-cost option for battery temperature monitoring. It comes standard with a 4.5 m (15 feet)* pigtail cable for easy connection to any Davicom I/O panel or I/O board.

Its working temperature range is 0°F to +300°F with a measurement accuracy of ±1°F (±0.56°C).

The sensor's attach hole size is 3/8".

The BTS-0080 features a linear (10 mV/°F) scale factor. The measured output voltages can be easily converted to either °F or °C using the following formulas:

$$T (°F) = V_{out} \times 100$$

$$T (°C) = V_{out} \times 55.56 - 17.78$$

A, B, C, and D coefficients for the Davicom DV line of Remote Monitoring Systems are:

Deg. F: A=0; B=100; C=0; D= 0

Deg. C: A=0; B=55.56; C=-17.78; D=0;



ELECTRICAL CONNECTION	
Red wire	Power supply (12 VDC)
White wire	Temp. output (0 - 3V)
Black wire	GND

* Other lengths are available upon request. Please contact us for more information.

