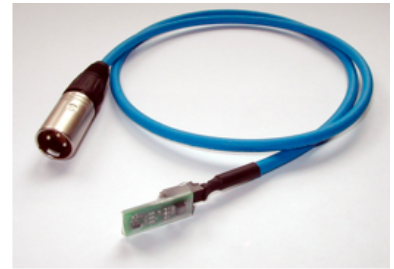


T300B Temperature Sensor

Technical Specifications



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Physical Attributes

Dimensions	1.25" (30mm) x 7/8" (16 mm) x 3/8" (10mm)
Solder Mask Color	Green
Encasement	Protective Heatshrink (clear)
Temperature Range	-30°C to 75°C (-21°F to 160°F)

Sensing Specifications

Description	Temperature sensor with signal conditioning and linearization manufactured by Analog Devices.
Physical Range	Approximately -20°C to 50°C (-4°F to 122°F)

Electrical Specifications

Voltage Source	5 Volts
Minimum Current Source	1.5 mA
Voltage Returned by Sensor	Industry Standard 0.25 Volts to 4.75 Volts, fully conditioned and buffered.
Connector Layout (Pin 1 indicated with arrow)	Pin 1: Ground Pin 2: Sensor Output Pin 3: 5 Volts (power supply)

Application Examples

- Ambient / environmental temperature (note however that the sensor is not weather proof)
- Body temperature: touching or breathing on the sensor for example (this yields the best results when used in conjunction with the T200 Scaler to amplify the analog signal).

Application Notes

- The temperature sensing component used in this device is actually capable of a larger temperature range. This sensor has been designed to focus on a smaller range to improve resolution in that range, but the sensor may be customized if the larger range is required.