

Air Temperature Sensor 5600-0020



Measures Ambient Air Temperature to within
0.1° C.

APPLICATIONS

- ✓ Automatic weather stations
- ✓ Agricultural meteorological stations
- ✓ Coastal monitoring stations

FEATURES

- ▶ Well suited for remote monitoring applications due to its high resistance sensitivity
- ▶ A network consisting of thermistor and resistors composites
- ▶ Solid state multi-element package
- ▶ Produces a relatively large resistance change per degree of temperature
- ▶ Response time of 10 seconds in still air
- ▶ Linear analog DC voltage output proportional to temperature that can be interfaced directly to Sutron's 8004 DCP, 8200A Data Recorder, and 8210 Data Recorder

HELPFUL HINTS

Radiation shield should be used when monitoring ambient air temperature to prevent solar radiation from inducing errors in the reading.

SPECIFICATIONS

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<i>Specifications subject to change without notice</i>	
Range	-50°C to +50°C
Accuracy	0.1°C
Input Voltage	0-5 VDC
Output Range	0-3.5 VDC
Maximum Constant Network Voltage	3.5 VDC
Maximum Constant Network Current	0.7 mA

DIMENSIONS

Length	4.25 inches (without cable)
Diameter	0.375 inch
Weight	

ORDERING

5600-0020-2	Temperature Sensor, Air, linear with 15 ft. cable
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ACCESSORIES

5600-0021-1	Radiation Shield, AT/RH, for sensors ≤0.5 inches diameter
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