

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