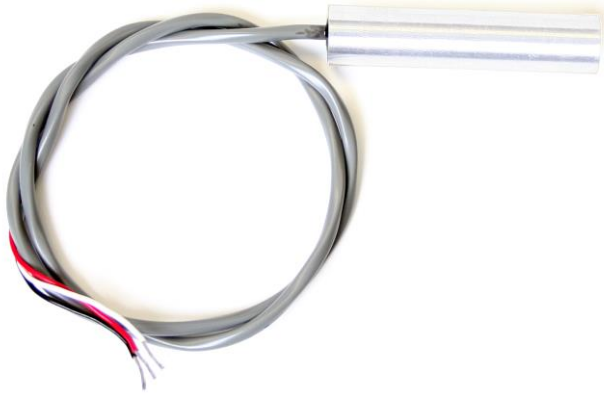


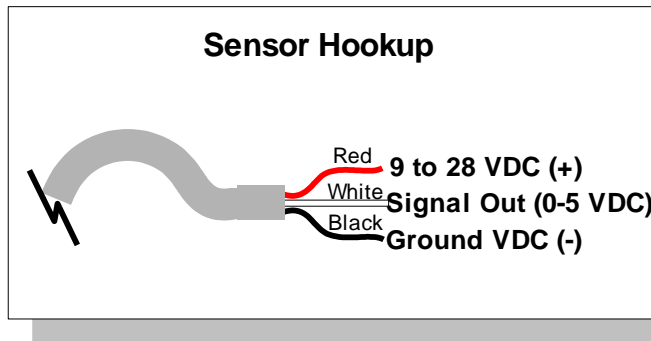
Air Temperature Sensor - Model 12



The Model 12 Air Temperature Sensor (P/N 10-70-7483) is intended for use in applications that monitor slowly changing temperatures. The unit gives approximately .5 °F (.25 °C) resolution when used with an 8-bit analog input.

Applications for the probe include the following:

- Monitor ambient temperature and signal wind machines to start.
- Monitor and maintain cargo temperatures.



Temperature Sensing Range

| VDC Out | °C | °F |
|---------|-------|------|
| 0.00 | -18 | 0 |
| 0.25 | -14.5 | 5.8 |
| 0.50 | -11.4 | 11.5 |
| 0.75 | -8.2 | 17.3 |
| 1.00 | -5 | 23.0 |
| 1.25 | -1.8 | 28.8 |
| 1.50 | 1.4 | 34.5 |
| 1.75 | 4.6 | 40.3 |
| 2.00 | 7.8 | 46.0 |
| 2.25 | 11 | 51.8 |
| 2.50 | 14.2 | 57.5 |
| 2.75 | 17.4 | 63.3 |
| 3.00 | 20.6 | 69.0 |
| 3.25 | 23.8 | 74.8 |
| 3.50 | 27 | 80.5 |
| 3.75 | 30.2 | 86.3 |
| 4.00 | 33.3 | 92.0 |
| 4.25 | 36.6 | 97.8 |

Specifications

Temperature Capability

Useful Operating Temperature Range: 0°F to 115°F (-18°C to 46°C)

Component Temperature Range: -85°F to 300°F (-65°C to 150°C)

Accuracy: 2% of full scale with software offset correction.

Voltage

Power Input Voltage: 9 to 28 VDC

Current Draw: 1 mA

Cable: 2-foot length, 22 AWG, stranded

Clamp: ½" ID, provided (P/N 00-03-0392)

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