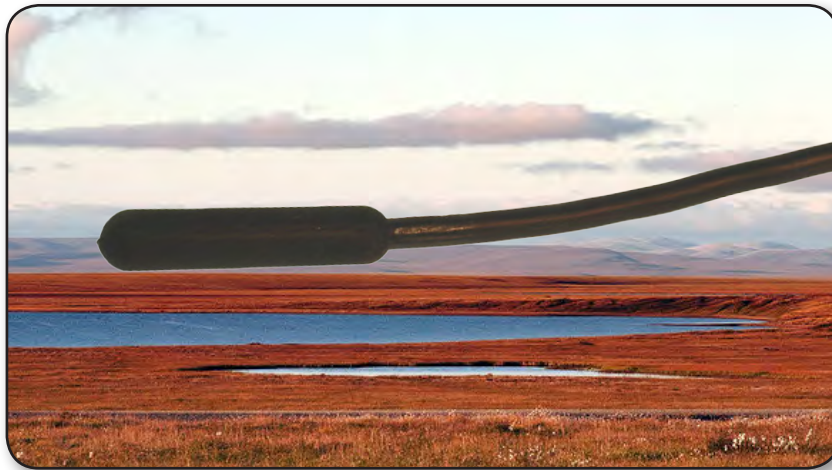


# Soil & Water Temperature Probe

## 5600-0030



The 5600-0030 Soil and Water Temperature Probe is designed for long-term burial in soil, concrete or other high-wetness environments. While not designed for deepwater immersion, the 5600-0030 is water tight probe designed for water temperature measurements in bogs, wetlands, wells, lakes, reservoirs, and rivers.

Output is not linear. The bridge resistor and equation to convert voltage to temperature are supplied with the unit.

### APPLICATIONS

- ✓ Lake Management
- ✓ Agricultural Meteorological Stations
- ✓ Irrigation Control
- ✓ Highway/Runway Monitoring
- ✓ Coastal Monitoring Stations

### FEATURES

- ▶ Rugged, accurate probe that measures air, soil and water temperature in a variety of applications.
- ▶ Consists of a thermistor encased in an environmentally sealed housing. The housing protects the thermistor allowing the probe to be buried or submerged.
- ▶ Measures from  $-40^{\circ}$  to  $+60^{\circ}\text{C}$
- ▶ Water & UV resistant
- ▶ Includes precision bridge completion resistor
- ▶ High accuracy & high sensitivity

### SPECIFICATIONS

*Specifications subject to change without notice*

Sensor	10K NTC Thermistor
Temperature Range	$-40^{\circ}$ to $+60^{\circ}\text{C}$
Interchangeability Error (Accuracy)	0.1°C over 0 to 60°C range, increasing to 0.2°C at $-40^{\circ}\text{C}$
Type	Resistance
Resolution	0.01 °C

### DIMENSIONS

Length	as ordered
Diameter	<0.4 in ( 1 cm)
Weight	about 0.3 oz per ft of cable (27 g/m)

### ORDERING

5600-0030-1	Temperature Sensor, Soil/Water, non linear output, 15 ft. cable"
5600-0030-1-040	Temperature Sensor, Soil/Water, non linear output, 40 ft. cable"
5600-0030-1-050	Temperature Sensor, Soil/Water, non linear output, 50 ft. cable"
5600-0030-1-075	Temperature Sensor, Soil/Water, non linear output, 75 ft. cable
5600-0030-1-100	Temperature Sensor, Soil/Water, non linear output, 100 ft. cable