



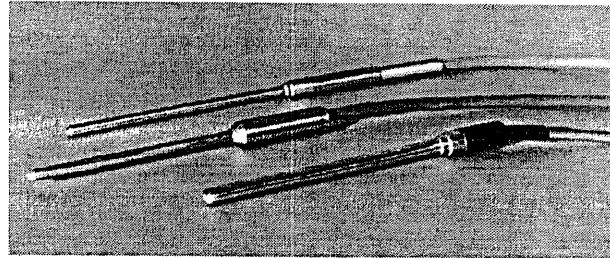
Q-Net Temperature Probe Models 4500 and 4501

PRODUCT DESCRIPTION

The Model 4500 Thermistor Temperature Probe is a highly accurate, high sensitivity temperature sensor. The sensor element is enclosed in a watertight stainless steel sheath. The probe has a high resistance value, which minimizes errors due to wire resistance in long cable runs.

The Model 4501 is a variant of the Model 4500 with a heavy-duty housing and cable designed for use as a water or soil temperature probe.

Both models are designed to be interfaced directly to the Model 2050 Q-Net StationPac. With the addition of a bridge resistor and using a simple equation, the sensor output can be linearized for use with any basic data logger.



SPECIFICATIONS

Accuracy	$\pm 0.2^{\circ}\text{C}$ (0.4°F) (0°C (32°F) to $+70^{\circ}\text{C}$ (158°F)) $\pm 0.5^{\circ}\text{C}$ (0.9°F) (-50°C (-58°F) to 0°C (32°F))
Type	NTC thermistor 2000 ohms @ 25°C
Max. Power Rating075 watts @ 25°C (derated to 0 @ 100°C)
Probe material	Stainless steel
Dimensions	4" long x 5/16" dia.
Cable	10', 2 conductor w/shield