



The MT-TP0001 NTC thermistor probe is ideal for accurately and economically measuring the temperature of air, soil, water, and pavement in nearly any environment or application.

The air temperature probe uses an NTC thermistor housed in a sealed stainless steel cylindrical probe. The soil, water, and pavement probes and cables are housed in a

neoprene sheath, allowing them to be submerged in water or buried in soil or under pavement. The output signal from the probe is a resistance directly proportional to the measured temperature. The probes are typically connected to a half or full resistance bridge with an excitation voltage to provide a voltage signal proportional to temperature.

The sensing element in these temperature probes is a 10K ohm NTC thermistor. In addition to the standard probe housings, the probes are available in other configurations, including ring connections and thermowell adapters.

Technical Specifications

Transducer:	10K ohm NTC thermistor
Accuracy:	±0.1°C (at 0°C)
Time Constant:	4.5 seconds for air temp 15 seconds for soil or water
Temperature range:	-80°C to +150°C
Connections:	2 wire configurations
Cable length:	6 feet for air, 10 feet for water and soil
Housing:	Stainless steel – air temp Neoprene – soil and water

Ordering Options

Stainless steel housing for air temperature
Neoprene sheath for water, soil, and pavement

