

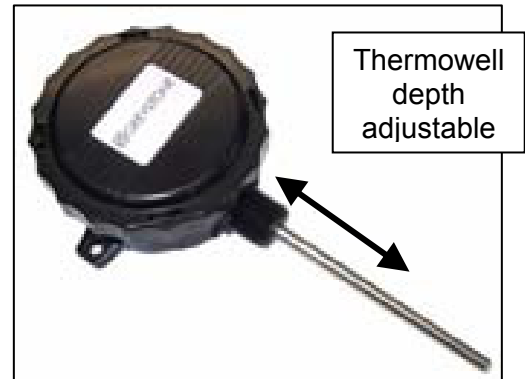
Immersion probe 10k Type 2 nylon fitting Non-spring loaded 1/2npt Spec & Installation Instructions

Immersion Temperature Sensor

Immersion type probes are designed to measure the temperature inside pipes carrying liquid or steam. They are to be used with a thermowell. Brass (for non-corrosive liquids) and 304 stainless steel (for corrosive liquids) wells are available.

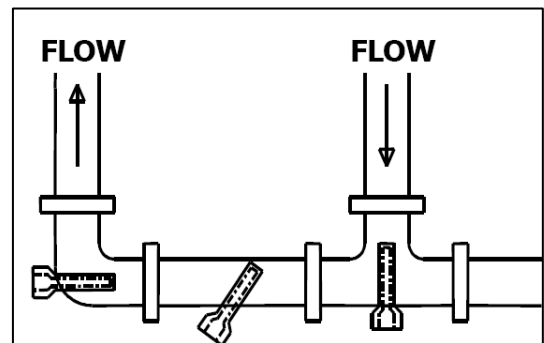
Specifications

Probe application	Immersion Sensor
Sensor type	Thermistor 10k type 2
Sensor Operating Temperature Range	-20 to 105 °C (-4 to 221 °F)
Fitting type	Nylon ½ NPT
Wiring Connections	Pig Tail (2 wire)
Accuracy before calibration	±0.2°C over 0 to 70°C (±0.4°F over 32 to 158°F)



Physical Installation

Immersion probes must be installed into a thermowell. Mount the thermowell either horizontally or with the open end facing down to allow any condensation to drain and ensure that the well does not contact the inside of the pipe. For best results, use thermal compound inside the well or a spring-loaded probe.



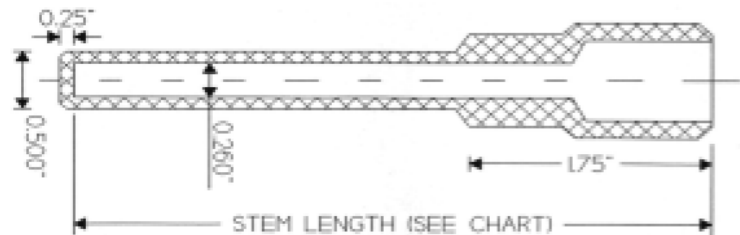
Thermowell installation

Wiring & Color codes

Connect between input and GND terminal. This two-wire sensor is polarity insensitive.

MT Alliance Installation

Drop as a MTT part number or as a 023-0073 sensor model



Available immersion temperature sensor (* = regular stock)

MTT Part Number	Probe application	Thermowell	Sensor Type	Drop as
023-0312	Immersion probe 2" 1/2npt	255-0009	10k type 2	023-0073
023-0325	Immersion probe 4" 1/2npt	255-0012	10k type 2	023-0073
023-0286 *	Immersion probe 6" 1/2npt	255-0008 *	10k type 2	023-0073
023-0256	Immersion probe 12" 1/2npt	255-0007	10k type 2	023-0073
023-0156	Immersion 0/+400C 4" 1/2npt	255-0012	0-5V	023-0156
Call MTT	Other		Other	