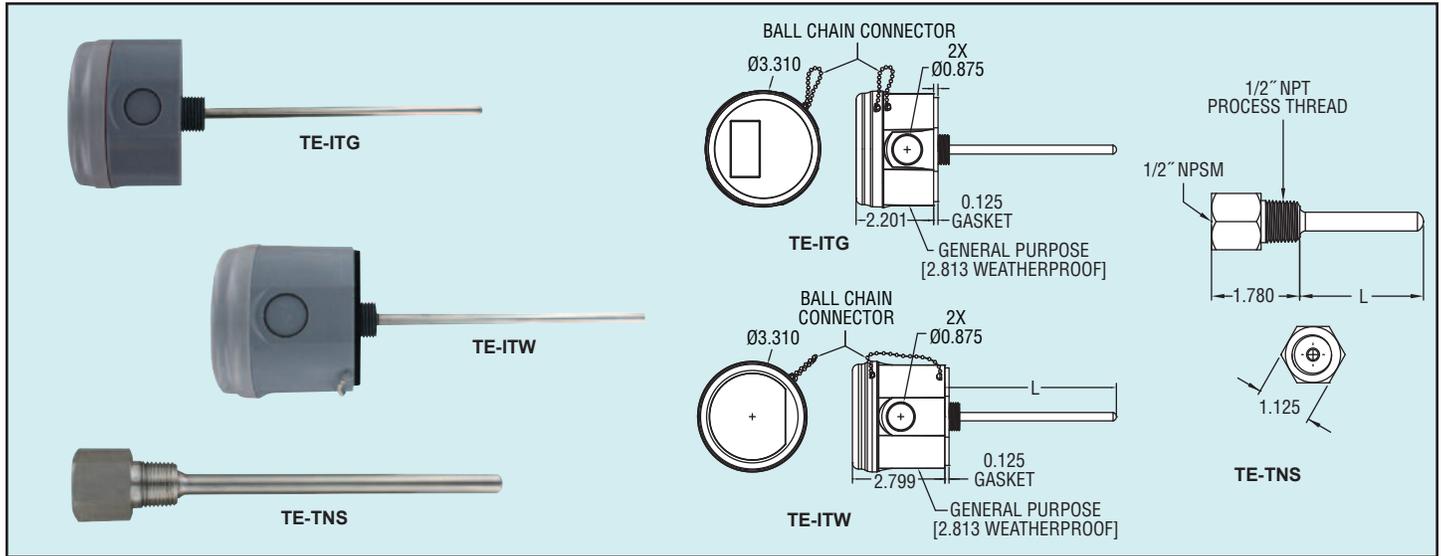




Series
TE-I

Immersion Temperature Sensors

New Integral Mounting Connection, Welded Thermowells



The Series TE-I Immersion Style Temperature Sensors accurately measure water temperature inside chilled and hot water loops in HVAC systems. Sensors can be ordered either with a general purpose or weatherproof enclosure and have an integral 1/2" NPT threaded connection so that the housing mounts flush against the thermowell. All models come standard with a terminal block that ensure a better electrical connection to the sensor. Both housing configurations include a chain that prevents the lid from being lost during installation. Electrical knockouts on the housing can adapt to either a cable gland or conduit. Thermowells are required to protect the electrical connection from the process water and to allow replacement of the sensors without draining the system.

SPECIFICATIONS

Accuracy:

Thermistor Temperature Sensor: $\pm 0.22^{\circ}\text{C}$ @ 25°C ($\pm 0.4^{\circ}\text{F}$ @ 77°F);
RTD Temperature Sensor DIN Class A: $\pm 0.15^{\circ}\text{C}$ @ 0°C ($\pm 0.28^{\circ}\text{F}$ @ 32°F).

Temperature Limits: Operating: -40 to 302°F (-40 to 150°C).

Sensor Curves: See page reference 1 below.

Housing Material: Meets UL, 94 V-O polycarbonate plastic.

Thermowell Material: 304 SS.

Weight: 5.3 oz (150.3 g).

Example	TE	ITG	A	25	4	4	00	Model TE-ITG-A2544-00 Immersion Probe, 10K Type 3 Thermistor, 2.5" probe length, 1/4" probe diameter, 4" flying leads, with 1/2" NPT connection
Series	TE							Duct and Immersion Building Automation Temperature Sensor
Housing		ITG						Immersion in General Purpose Housing
		ITW						Immersion in NEMA 4X Housing
Sensor Type			A					10K Type 3 Thermistor
			B					10K Type 2 Thermistor
			C					3K Ohm Thermistor
			D					PT100 Ohm RTD
			E					PT1000 Ohm RTD
			F					20K Thermistor
Probe Length				25				2.5"
				04				4"
				06				6"
				08				8"
				12				12"
				18				18"
Probe Diameter					4			1/4"
Cable Configuration						4		4" Flying Leads Terminal Block
Connection Size							00	No Options

Thermowell Model	Material	Insertion Length
TE-TNS-N253N-00	304 SS	2.5"
TE-TNS-N043N-00	304 SS	4"
TE-TNS-N063N-00	304 SS	6"
TE-TNS-N083N-00	304 SS	8"
TE-TNS-N123N-00	304 SS	12"
TE-TNS-N183N-00	304 SS	18"

●Resistance vs. Temperature Table: See page 299 (Series TE-OND/RND)

TEMPERATURE

Temperature Sensors