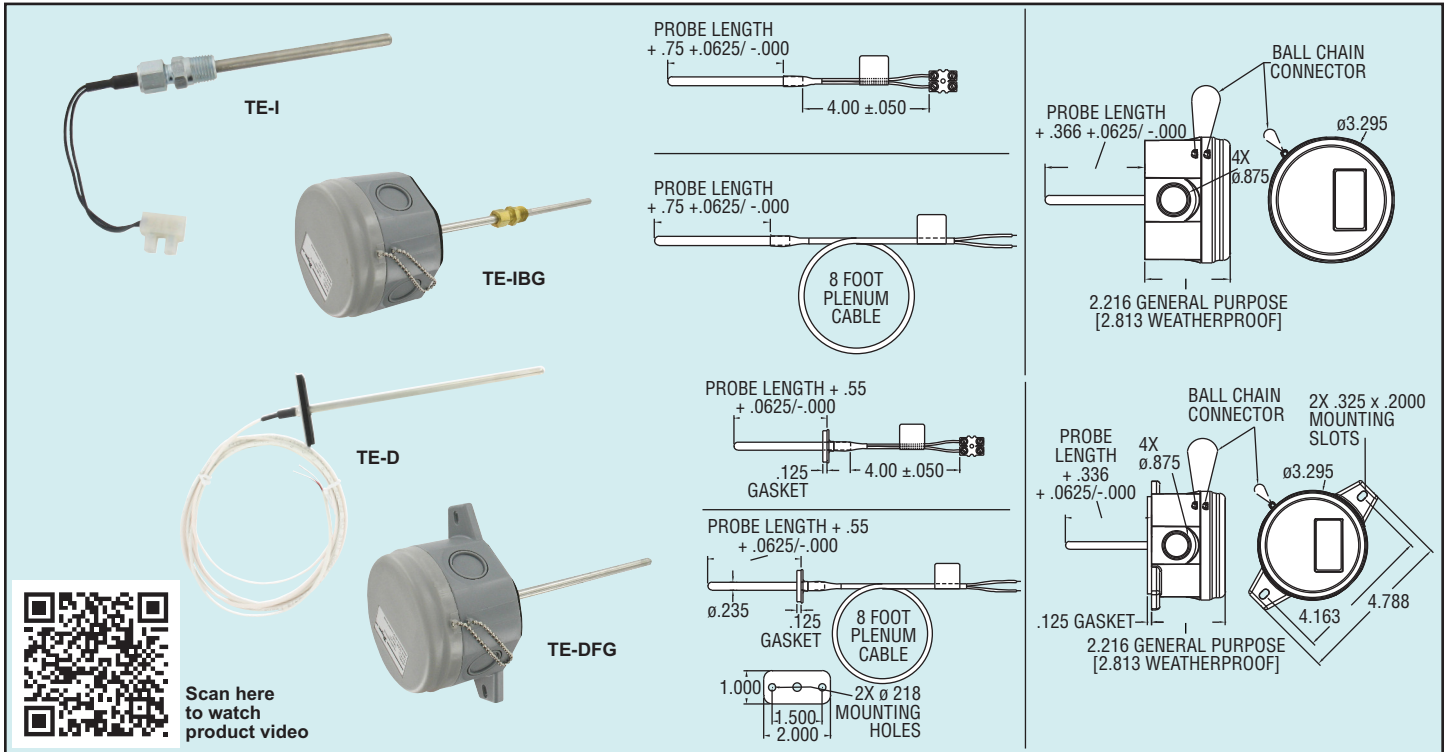




Series
TE

Duct and Immersion Building Automation Temperature Sensors

Available up to 18" Probe Length, Thermistor or RTD Outputs



Scan here to watch product video

The Series TE Duct and Immersion Temperature Sensor can be used to monitor air or water temperature throughout a building management system or an air handler unit. Flanged duct sensors monitor the supply or return air and provide a thermistor or RTD output to the digital controller. Immersion sensors which are supplied with compression fittings are typically used to monitor the hot or chilled water lines throughout a building. Thermowells are recommended, but not required on the immersion sensors. For variable air volume applications, the Series TE can be configured to have 8' plenum rated cable with flying leads. Standard units come with 4" leads with an integral terminal block to eliminate carrying extra wire nuts. For housing models, multiple knockouts provide easy conduit access to any side of the housing. The 1/4 turn lid comes with a chain to prevent it from being lost during installation.

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 below.

Cable Rating: Plenum option includes UL listed plenum cable.

Housing Material: Meets UL, 94 V-0 polycarbonate plastic.

Housing Rating: NEMA 4X (IP66) (DFW, IBW only).

Weight: 5.3 oz (150.3 g).

Example	TE	-DFN	-A	04	4	8	-00	TE-DFN-A0448-00	Price
Series	TE							Temperature Sensor	
Mounting Configuration	DFN							Duct Mount Probe Only	\$7.00
	DFG							Duct Mount Probe in General Purpose Housing	12.50
	DFW							Duct Mount Probe in NEMA 4X Housing	15.00
	IBN							Immersion Probe Only	7.00
	IBG							Immersion Probe in General Purpose Housing	12.50
	IBW							Immersion Probe in NEMA 4X Housing	15.00
Sensor Type			A					10K Ohm Type III Thermistor	-
			B					10K Ohm Type II Thermistor	-
			C					3K Ohm Thermistor	+1.50
			D					Pt100 Ohm RTD	+3.00
			E					Pt1000 Ohm RTD	+3.00
			F					20K Ohm Thermistor	-
			Q					10K Ohm Type III with 11K Ohm shunt	+2.00
	Probe Length				25				2.5"
				04				4"	-
				06				6"	-
				08				8"	-
				12				12"	-
				18				18" (DFN/DFG Only)	+3.00
Probe Diameter					4			1/4"	-
Termination						4		4" leads	-
						8		8' Plenum Rated Cable	+2.00
Fittings							00	None (Probe only)	-
							12	1/2" NPT Compression Fitting	+4.00
							14	1/4" NPT Compression Fitting	+2.00

Thermowells (Machined)

Model	Length	Connection (Internal/External) (NPT)	Price
TE-TNS-N044N-14	4"	1/4" / 1/2"	\$17.00
TE-TNS-N044N-12	4"	1/2" / 3/4"	15.25
TE-TNS-N064N-14	6"	1/4" / 1/2"	18.25
TE-TNS-N064N-12	6"	1/2" / 3/4"	18.25
TE-TNS-N094N-14	9"	1/4" / 1/2"	31.25
TE-TNS-N094N-12	9"	1/2" / 3/4"	29.50
TE-TNS-N124N-14	12"	1/4" / 1/2"	45.25
TE-TNS-N124N-12	12"	1/2" / 3/4"	43.25



For Straight Thermowell Dimensions: See page 275 (Series W)
 Resistance vs. Temperature Table: See page 280 (Series TE-OND/RND/OSA)