

Immersion Temperature Sensors

Integral Mounting Connection, Welded Thermowells



Models Select Chart

EXAMPLE	TE	IBN	A	04	4	4	12	Series TE-IBN-A0444-12 Immersion Probe, 10K type 3 thermistor, 4" probe length, 1/4" probe diameter, 4" flying leads, with 1/2" NPT connection.
SERIES	TE							Duct and Immersion Building Automation Temperature Sensor
MOUNTING CONFIGURATION		DFN DFG DFW IBN IBG IBW						Duct Flange Probe Only (not w/ Connection 12,14) Duct Flange In Housing (not w/ Connection 12,14) Duct Flange NEMA 4X Housing (not w/ Connection 12,14) Immersion Probe Only Immersion in Housing (not w/ Connection 00) Immersion NEMA 4X Housing (not w/ Connection 00)
SENSOR TYPE			A B C D E F G H I					10K Type III Thermistor 10K Type II Thermistor 3K Ohm Thermistor PT100 Ohm RTD PT1000 Ohm RTD 20K Thermistor 1.8K Thermistor 5K Thermistor 100K Thermistor

			J K L M P				2.252 Thermistor NI 1000 Ohm RTD Balco NI 1000 Ohm RTD PT100 Ohm RTD 1/10 DIN (3-wire) PT1000 Ohm RTD 1/10 DIN (3-wire)
PROBE LENGTH				25 04 06 08 12 18			2.5" 4" 6" 8" 12" 18"
PROBE DIAMETER					4		1/4"
TERMINATION						1 2 3 4 5 6 7 8	4" Flying leads w/female connector Molex recept 4" Flying leads w/male connector Mate-N-Loc plug 4" Flying leads spade terminals 4" Flying leads terminal block 8' Plenum cable w/female connector Molex recept 8' Plenum cable w/male connector Mate-N-Loc plug 8' Plenum cable spade terminals 8' Plenum cable
FITTINGS						00 12 14	None (Integral) 1/2" NPT Compression Fitting 1/4" NPT Compression Fitting

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 Resistance vs. Temperature Table .
Housing Material	: Meets UL, 94 V-O polycarbonate plastic.
Thermowell Material	: 304 SS.
Thermowell Connections	: Internal = 1/2" NPSM; External = 1/2" NPT.
Weight	: 5.3 oz (150.3 g).
Warranty	: 5 year limited warranty.