

Temperature Transmitter

Current or Voltage Output; NEMA 4X Enclosures



Models Select Chart

EXAMPLE	BTT	D	25	1	NIST	Series BTT-D25-1-NIST, Temperature Transmitter, Duct housing with 2.5” probe, current output and NIST Calibration
SERIES	BTT					DP Manometer with AV & Flow
RANGE		D I O R E N				Duct (TE Housing with Mounting Ears) Immersion (TE Housing w/o Ears) Outside Air (OSA Housing) Outside Air with Radiation Shield European Wall North American Wall

Probe Length			00		No External Probe (E or N Housings Only)
			25		2.5" (N/A with E, N Housings)
			04		4.0" (N/A with O,R,E,N Housings)
			06		6.0" (N/A with O,R,E,N Housings)
			08		8.0" (N/A with O,R,E,N Housings)
			12		12.0" (N/A with O,R,E,N Housings)
			18		18.0" (N/A with I,O,R,E,N Housings)
Output				1	Current @ -40 to 60 C (D, I, O, R Housings Only)
				2	Voltage @ -40 to 60 C (D, I, O, R Housings Only)
				3	Voltage @ -40 to 60 C (D, I, O, R Housings Only)
				4	Current @ 0 to 50 C (N, E Housings Only)
				5	Voltage @ 0 to 50 C (N, E Housings Only)
				6	Current @ 0 to 100 C (I Housing Only) Voltage @ 0 to 100 C (I Housing Only)
Options				COC	Certificate of Calibration
				FC	Factory Calibration
				NIST	NIST Certificate of Calibration

Accessories

Model	Description
TE-TNS-N253N-00	Thermowell, 304SS, 2.5" insertion length.
TE-TNS-N063N-00	Thermowell, 304SS, 6" insertion length.
TE-TNS-N083N-00	Thermowell, 304SS, 8" insertion length.
TE-TNS-N123N-00	Thermowell, 304SS, 12" insertion length.
TE-TNS-N183N-00	Thermowell, 304SS, 18" insertion length.

Specifications:-		
Temperature Sensor	:	Pt1000 RTD.
Range	:	-40 to 140°F (-40 to 60°C).
Temperature Limits	:	Operating: -40 to 302°F (-40 to 150°C).
Accuracy	:	±0.5°C @ 25°C.
Thermal Effect	:	±0.01%/°C.
Response Time	:	100 ms.
Wetted Materials	:	All models: 304 SS (probe), polycarbonate (housing); Duct and immersion models: Neoprene (gasket); Outside air models: Nylon (insert), silicone (O-ring).
Process Connection	:	1/2" NPT (immersion models only).
Electrical Connection	:	Removable terminal block, knocks out for conduit fitting.
Conduit Connection	:	1/2" NPT.
Probe Lengths	:	2.5 to 18" (depending on configuration).
Power Requirements	:	13 to 36 VDC for current models, 13 to 36 VDC or 16 to 28 VAC for voltage models.
Output Signal	:	4 to 20 mA or 0 to 10 VDC (depending on model).
Enclosure Rating	:	NEMA 4X (IP66) (immersions models require thermowell).
Weight	:	5.11 oz, 145 g (duct/immersion); 8.4 oz (238 g) (OSA without radiation shield); 1 lb 7.4 oz (663.4 g) (OSA with radiation shield).
Agency Approvals	:	CE.