

Temperature Transmitters



I/TT100
I/TT1000



Product Description

INTEC temperature transmitters are a cost effective, solution for all temperature measurement. The transmitters are accurate, durable, and reliable. Numerous configurations for measurement in many different mediums are offered, to satisfy all of the industry standards.

INTEC provides two temperature transmitters, the I/TT100 for use with a 100 Ohm Class A, Platinum RTD input and the I/TT1000 for use with a 1000 Ohm Class A Platinum RTD input. The transmitters produce a linear 4-20 mA output carried on a two-wire system. Optional output voltage ranges of (1-5 or 2-10 VDC) can also be ordered. The power input to the transmitter can vary from 7 to 35 VDC, can be unregulated, and is not polarity sensitive. The transmitter is supplied factory calibrated, but has zero and span potentiometers for field adjustments or calibration. The transmitter is linear from -50 to 392°F. The current output is unsusceptible to both EMI and measurement

resistances less than 800 Ohms. Additional options include current limiting and AC power.

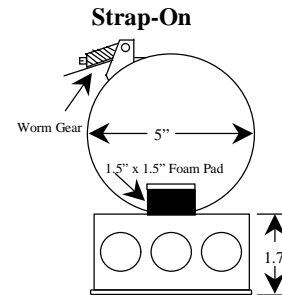
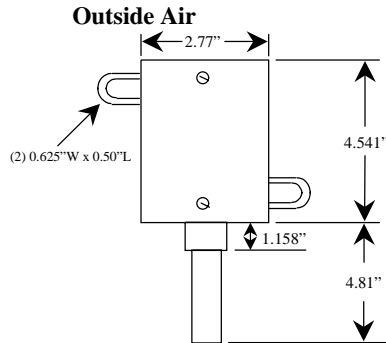
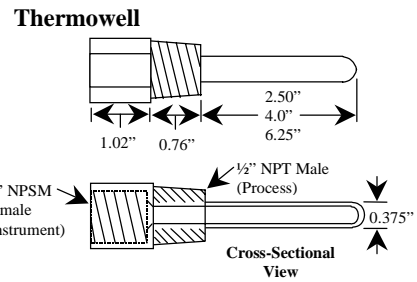
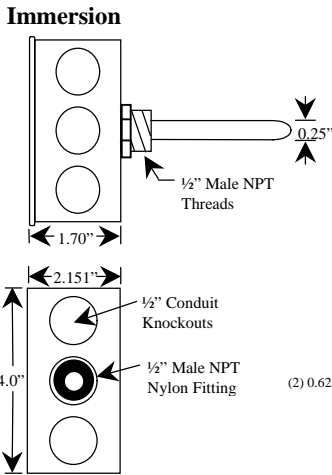
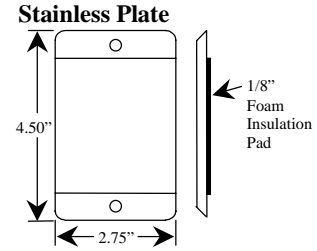
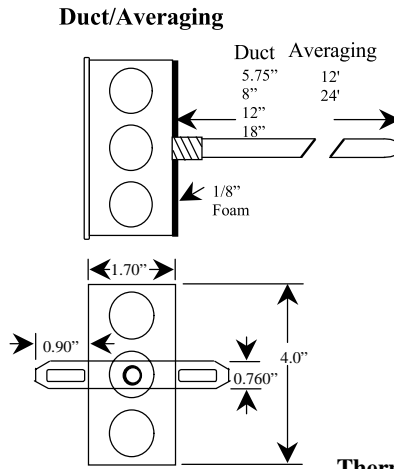
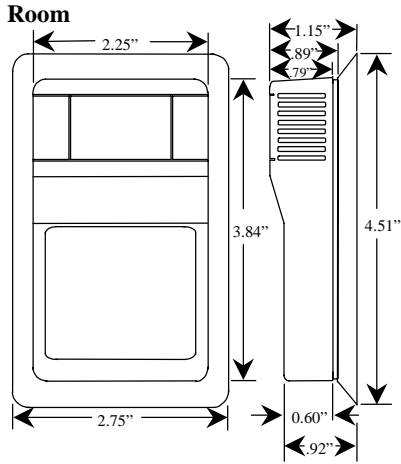
The room transmitter is encased in an unobtrusive plastic enclosure and can be equipped with a 4 to 20mA setpoint and Tenant override combinations. The transmitter can also be ordered on a surface plate, made of either stainless steel or aluminum. For air duct measurements, TT's are offered with 4, 8, 12, and 18" probes, as a remote probe with 6 foot lead wires, or as a strap-on. Averaging configurations in both 12' and 24' lengths are available. Lastly, the TT's can come as immersion with 2.5", 4", or 8" high quality stainless steel thermowells. All duct and outside air configurations are available inside a weatherproof NEMA 4 or NEMA 4X rated enclosure.

Please contact INTEC for more information regarding any special mounting configurations

Product Specifications

Input	2-wire Platinum 100/1000 Ohm Class A RTD	Sensor Operating Range Single Point	-58 to 392°F
		Sensor Operating Range Averaging	-50 to 275°F
Output	2-wire, Linear 4 to 20mA DC Current	Sensor Accuracy	0.06% @ 32°F (Class A)
Supply Voltage	7 to 35 VDC, No Polarity Sensitivity	Transmitter Accuracy	+/- 0.1% of span
Linearity	+/- 0.05% of span	Transmitter Operating Range	32 to 158°F

Dimensions



Ordering Information

Sensor Type	Span	Configuration	Output
I / []	[]	[]	[]
↑	↑	↑	↑
TT100 (100 Ohm RTD)	(1) 40 to 90°	R- Room	(1) 1 to 5 VDC
TT1K (1000 Ohm RTD)	(2) 30 to 100°	RO- Room w/ Override (N/O Tenant)	(2) 2 to 10 VDC
	(3) 20 to 120°	RS- Room w/ Setpoint (4 to 20mA)	(4) 4 to 20 mA
	(4) 40 to 140°	RSO- Room w/ Setpoint, Override	
	(5) 40 to 240°	D- Duct - 4", 8", 12", 18"	
	(6) -30 to 130°	I- Immersion 2.5", 4", 8"	
	(7) 0 to 150°	S- Strap-On	
	(8) Specify	O- Outside Air	
		A- Averaging 12', 24'	
		SP- Stainless Plate	
		RP- Remote Probe	

Example: I/TT1K-(40 to 90)-I-4"-(-4) or I/TT100-(2)-RSO-(2)