


TABLE V - Sensor Type					Availability														
					Selection	000	0TB	STT17				STT25				STT35			
								1	3	H	F	M	D	H	S	T	0	F	
Sensor Type	No sensor				00 __	o	o	o	o	o	o	o	o	o	o	o	o	o	o
	Compatible with STT:																		
	Thermocouples																		
	1 x Type E (IEC)				3, H, F, P	H, M, D, T	0, F	T1 __	•	•	•	•	•	•	•	•	•	•	•
	2 x Type E (IEC)				H, F, P	T	0, F	T2 __	•	•	•	•	•	•	•	•	•	•	•
	1 x Type J (IEC)				3, H, F, P	H, M, D, T	0, F	T3 __	•	•	•	•	•	•	•	•	•	•	•
	2 x Type J (IEC)				H, F, P	T	0, F	T4 __	•	•	•	•	•	•	•	•	•	•	•
	1 x Type K (IEC)				3, H, F, P	H, M, D, T	0, F	T5 __	•	•	•	•	•	•	•	•	•	•	•
	2 x Type K (IEC)				H, F, P	T	0, F	T6 __	•	•	•	•	•	•	•	•	•	•	•
	1 x Type N (IEC)				3, H, F, P	H, M, D	0, F	T7 __	•	•	•	•	•	•	•	•	•	•	•
	1 x Type T (IEC)				3, H, F, P	H, M, D, T	0, F	T8 __	•	•	•	•	•	•	•	•	•	•	•
	2 x Type T (IEC)				H, F, P	T	0, F	T9 __	•	•	•	•	•	•	•	•	•	•	•
	RTD Applications (-58 to +500°F)																		
	1 x Pt100 (IEC), 2-wire				1, 3, H, F	H, M, D, T	0, F	R1 __	•	v	v	v	v	v	v	v	v	v	v
	1 x Pt100 (IEC), 3-wire				1, 3, H, F	H, M, D, T	0, F	R2 __	•	v	v	v	v	v	v	v	v	v	v
	1 x Pt100 (IEC), 4-wire				1, 3, H, F	H, M, D, T	0, F	R3 __	•	v	v	v	v	v	v	v	v	v	v
	2 x Pt100 (IEC), 3-wire				H, F	T	0, F	R4 __	•	v	v	v	v	v	v	v	v	v	v
	1 x Pt200 (IEC), 3-wire				-	H, M, D	0, F	R5 __	•	v	v	v	v	v	v	v	v	v	v
	1 x Pt500 (IEC), 3-wire				-	-	0, F	R6 __	•	v	v	v	v	v	v	v	v	v	v
	1 x Pt1000 (IEC), 3-wire				H, F	M	-	R7 __	•	v	v	v	v	v	v	v	v	v	v
RTD Applications (-292 to +932°F)																			
1 x Pt100 (IEC), 2-wire				1, 3, H, F	H, M, D, T	0, F	H1 __	•	•	•	•	•	•	•	•	•	•	•	
1 x Pt100 (IEC), 3-wire				1, 3, H, F	H, M, D, T	0, F	H2 __	•	•	•	•	•	•	•	•	•	•	•	
1 x Pt100 (IEC), 4-wire				1, 3, H, F	H, M, D, T	0, F	H3 __	•	•	•	•	•	•	•	•	•	•	•	
2 x Pt100 (IEC), 3-wire				H, F	T	0, F	H4 __	•	•	•	•	•	•	•	•	•	•	•	
1 x Pt200 (IEC), 3-wire				-	H, M, D	0, F	H5 __	•	•	•	•	•	•	•	•	•	•	•	
1 x Pt500 (IEC), 3-wire				-	-	0, F	H6 __	•	•	•	•	•	•	•	•	•	•	•	
1 x Pt1000 (IEC), 3-wire				H, F	M	-	H7 __	•	•	•	•	•	•	•	•	•	•	•	
Sensor Grounding	No sensor				-- 0 _	r	r	r	r	r	r	r	r	r	r	r	r	r	
	Grounded (standard for T/Cs and not applicable for RTDs)				-- G _	s	s	s	s	s	s	s	s	s	s	s	s	s	
	Ungrounded (standard for RTDs but also applicable for TCs)				-- U _	•	•	•	•	•	•	•	•	•	•	•	•	•	
Lead Length	Factory Defaults : Table V : 000D - No Lead length																		
	Table I: 000,35_ - 9" Lead length				-- D	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Table I : 0TB,17_,25_ - 6" Lead length																		

Note: only one side of a duplex probe is connected to the transmitter

Table VI - Thermowell (continued)			Availability															
			Selection	000	0TB	STT17				STT25					STT35			
Insertion Length "U"	0 in. (No Thermowell)		-----00	w	w	w	w	w	w	w	w	w	w	w	w	w	w	
	1 in.		-----01	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	2 in.		-----02	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	3 in.		-----03	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	4 in.		-----04	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	5 in.		-----05	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	6 in.		-----06	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	7 in.		-----07	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	8 in.		-----08	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	9 in.		-----09	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	10 in.		-----10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	11 in.		-----11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	12 in.		-----12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	13 in.		-----13	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	14 in.		-----14	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	15 in.		-----15	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	16 in.		-----16	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	17 in.		-----17	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	18 in.		-----18	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	19 in.		-----19	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	20 in.		-----20	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	21 in.		-----21	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	22 in.		-----22	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	23 in.		-----23	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	24 in.		-----24	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Decimal	.00 in. or No sensor	-----0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
		.25 in.	-----2	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
		.50 in.	-----5	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
		.75 in.	-----7	x	x	x	x	x	x	x	x	x	x	x	x	x	x	

TABLE VII - Safety Approvals

Approval Body	Approval Type	Location or Classification	Selection	Availability													
				000	0TB	1	3	H	F	M	D	H	S	T	0	F	
None	No approval body certifications included		00	•	•	•	•	•	•	•	•	•	•	•	•	•	•
FM	Explosion-Proof Dust Ignition-Proof Dust Ignition-Proof Environmental	Class I, Div. 1, Groups A**,B,C,D Class II, Div. 1, Groups E,F,G Class III, Div. 1 T*** NEMA 4X****	1D		•	•	•	•	•	•	•	•	•	•	•	•	•
	Flameproof Environmental	Class I, Zone 1, IIC**, T*** IP66****	15		g	g	g	g	g	g	g	g	g	g	g	g	g
CSA	Explosion-Proof Dust Ignition-Proof Dust Ignition-Proof	Class I, Div. 1, Groups B,C,D Class II, Div. 1, Groups E,F,G Class III, Div. 1 T***	2K		•	•	•	•	•	•	•	•	•	•	•	•	•
	Flameproof	Ex d IIC, T***															
	Environmental	NEMA 4X/IP66****															
ATEX	Flameproof, zone 1	Flameproof  Ex d IIC T6, Ambient Limits -20 to +60°C	3D		•	•	•	•	•	•	•	•	•	•	•	•	•

** Enclosures supplied in stainless steel and enclosures with a window are de-rated to Gas Groups B, C, & D and Zone 1 Group IIB + H₂

*** Temperature Class (T-Codes) is T6 with terminal block or dependant on transmitter.

**** Type 4X and IP66 ratings are dependent upon the enclosure, nipple extension and thermowell materials. IP66 dependent upon enclosure and a thermowell is required.

** Environmental ratings per CSA markings on the Head-mount enclosure.

NOTICE: The temperature probe, head-mount housings, extension hardware and thermowell are supplied and certified by Thermo Electric Company, Inc., 60A Commerce Way, Totowa, NJ 07512. The temperature transmitter module is supplied by Honeywell International Inc.

TABLE VIII - Assembly Options	Selection	Availability													
		000	0TB	1	3	H	F	M	D	H	S	T	0	F	
No options	000	•	•	•	•	•	•	•	•	•	•	•	•	•	
Internal hydrostatic pressure test of thermowell (2500 PSI Standard)	PT1	t	t	t	t	t	t	t	t	t	t	t	t	t	
External hydrostatic pressure test of thermowell (2500 PSI Standard) (4)	PT2	n	n	n	n	n	n	n	n	n	n	n	n	n	
NACE certificate (applies to Well)	HT1	t	t	t	t	t	t	t	t	t	t	t	t	t	
Clean for oxygen service (ASTM G93-96)	XGN	t	t	t	t	t	t	t	t	t	t	t	t	t	
Clean for chlorine service (The Chlorine Institute, Inc. Pamphlet 6)	CLN	t	t	t	t	t	t	t	t	t	t	t	t	t	
Frequency calculation (Murdock, ASME PTC-19.3 TW-2010) (Velocity, pressure and temp. required)	FRQ	t	t	t	t	t	t	t	t	t	t	t	t	t	
Thermowell material certificate	TMC	t	t	t	t	t	t	t	t	t	t	t	t	t	
Canadian registration number (CRN)	CRN	t	t	t	t	t	t	t	t	t	t	t	t	t	
Transmitter with Probe calibration (system) @ 2 points, Single Sensor (specify range)	TC1			j	j	j	j	j	j	j	j	j	j	j	
Transmitter with Probe calibration (system) @ 2 points, Duplex Sensor	TC2			j	j	j	j	j	j	j	j	j	j	j	
Probe Calibration Data Certificate (2-point info to be provided)	AP2	m	m	m	m	m	m	m	m	m	m	m	m	m	
Probe Calibration Data Certificate (3-point info to be provided)	AP3	m	m	m	m	m	m	m	m	m	m	m	m	m	
Probe Calibration Data Certificate (4-point info to be provided)	AP4	m	m	m	m	m	m	m	m	m	m	m	m	m	
Upgrade to Special Limits Thermocouple Calibration to ANSI MC96.1 and ASTM E230, Single	SP1	p	p	p	p	p	p	p	p	p	p	p	p	p	
Upgrade to Special Limits Thermocouple Calibration to ANSI MC96.1 and ASTM E230, Duplex	SP2	q	q	q	q	q	q	q	q	q	q	q	q	q	
Upgrade to ASTM E1137 Grade A RTD, Single	CL1	l	l	l	l	l	l	l	l	l	l	l	l	l	
Upgrade to ASTM E1137 Grade A RTD, Duplex	CL2	i	i	i	i	i	i	i	i	i	i	i	i	i	

(4) external not available on socket welds

RESTRICTIONS

Restriction Letter	Available Only With		Not Available With	
	Table	Selection	Table	Selection
a	VI	0000000000		
b		Make one selection from this group		
c			VII	1D, 2K, 15
d	III	EPE_, STE_		
e			III	000_
f	III		VII	2K
g	IV	X_ __, H02S	VI	0_ _ _ _ _
h	III	000_		
i	V	R4_ __, H4_ __		
j	II	TC	V	00_ _
k			VII	3D
l	V	R1_ __ to R3_ __, R5_ __ to R7_ __, H1_ __ to H3_ __, H5_ __ to H7_ __		
m			V	00_ _
n			VI	0_ _ _ _ _ , M_ _ _ _ _ , N_ _ _ _ _
o			VII	1D, 2K, 3D, 15
p	V	T1_ __, T3_ __, T5_ __, T7_ __, T8_ __		
q	V	T2_ __, T4_ __, T6_ __, T9_ __		
r	V	00_ _		
s			VII	3D
			V	00_ __, R1_ __ to R7_ __, H1_ __ to H7_ __
t			VI	0_ _ _ _ _
u	VI	0_ _ _ _ _		
v			VII	1D, 15
w	VI	0_ _ _ _ _		
	V	00_ _		
x			VI	_ _ _ _ 0 0_