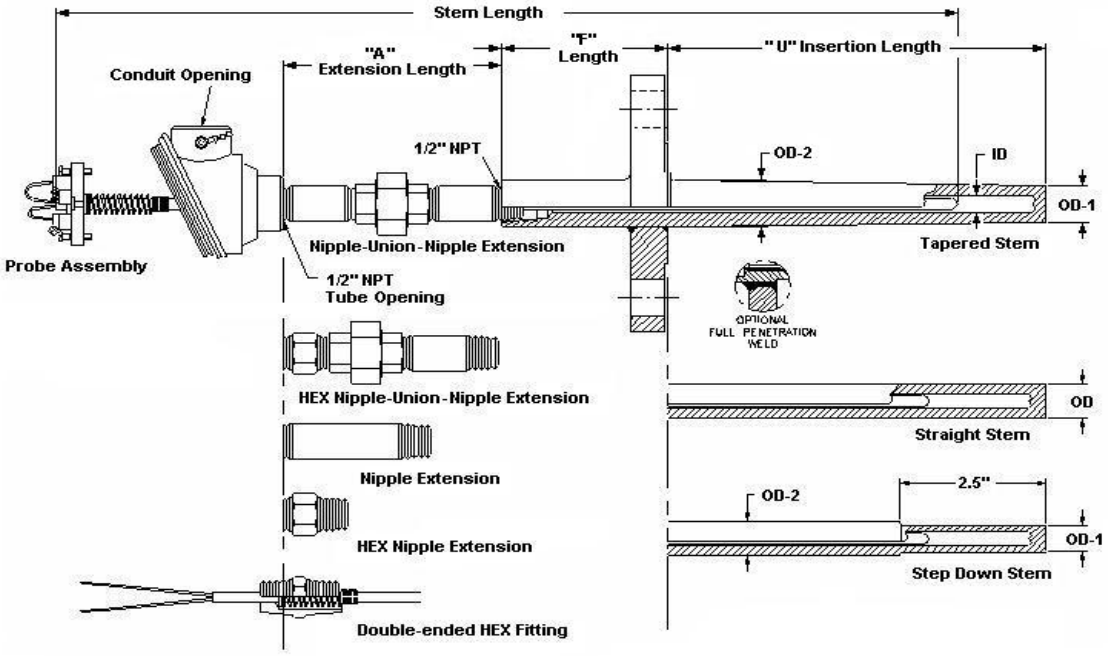
STT 3000 Temperature Probe Assemblies Series STT840 - Drilled Flanged Thermowell Assembly

Model Selection Guide

Model Selection Guide
34-44-16U-10 Issue 1

Honeywell Proprietary



Instructions

- Choose availability column based on mounting configuration.
- A dot (●) denotes unrestricted availability. A letter denotes restricted availability.
- Blank denotes unavailable - choose alternate. View Restrictions table.
- Select options and approvals from Tables.

Key Number	I	II, Options	III	IV	V	VI
STT840	- ___	- __ , __	- ____	- _ _ _ _	- ____	- __ __ __ __ __ __ -

VII	VIII, Options
- __	- ___ , ___

Ordering Example: STT840-25H-TC-WEE0-H08C-R1U6-CPF20D15160-00-000

Key Number	Selection	Availability
Flanged Bar Stock Thermowell Assembly	STT840	●

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Transmitter options:

STT170 SERIES

STT250 SERIES

STT350 SERIES

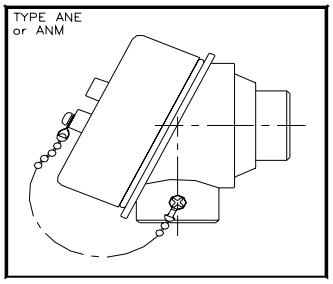
TABLE I - Transmitter Selection

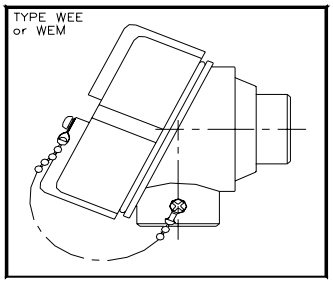
	Selection	Availability STT17 1	STT17 3	STT17 H	STT17 F	STT25 M	STT25 D	STT25 H	STT25 T	STT35 0	STT35 F
No transmitter, no housing	000	•	•	•	•	•	•	•	•	•	•
No transmitter, head mount housing with terminal block only	0TB	•	•	•	•	•	•	•	•	•	•
Wired to STT171 (Analog)	171	•									
Wired to STT173 (Analog)	173		•								
Wired to STT17H (HART)	17H			•							
Wired to STT17F (Fieldbus)	17F				•						
Wired to STT25M (Analog)	25M					•					
Wired to STT25D (DE)	25D						•				
Wired to STT25H (HART)	25H							•			
Wired to STT25T (HART)	25T								•		
Wired to STT350 (Analog/DE)	350									•	
Wired to STT35F (Fieldbus)	35F										•

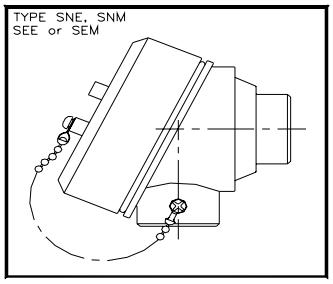
NOTE: Transmitters have additional certifications as Intrinsically Safe, Non-incendive and Non-sparking. See transmitter specifications for details.

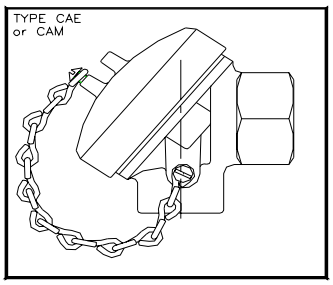
TABLE II - STT Options

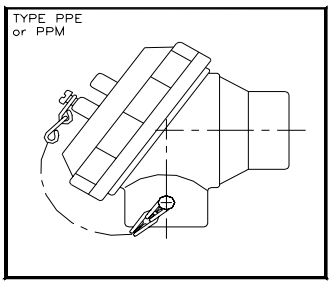
		Selection	STT17 1	STT17 3	STT17 H	STT17 F	STT25 M	STT25 D	STT25 H	STT25 T	STT35 0	STT35 F	
No options		00	•	•	•	•	•	•	•	•	•	•	
Configur-ation	Transmitter Configuration (See 13:STT-OE pages for choices)	TC	•	•	•	•	•	•	•	•	•	•	
Customer Tagging	316 SS Wired-on Customer I.D. Tag (4 lines, 28 chars.)	TG	e	e	e	e	e	e	e	e	e	e	
	316 SS Wired-on Customer I.D. Tag (blank)	TB	e	e	e	e	e	e	e	e	e	e	
Owners Manual (Transmitter)	STT35F English Language Version	EF										•	
	STT350 English Language Version	EN									•		
	STT350 French Language Version	FR									•		
	STT250 Spanish Language Version	SP									•		
	STT250 English Language Version	EM					•	•	•	•			
	STT250 French Language Version	FM					•	•	•	•			
	STT250 Spanish Language Version	SM					•	•	•	•			
	STT250 Chinese Language Version	CM					v	v	v	v			
	STT171 Version; English, French, German Language	M1	•										
	STT173 Version; English, French, German Language	M3		•									
	STT17H Version; English, French, German Language	MH			•								
	STT17F Version; English, French, German Language	MF				•							
Mounting Arrangement	Carbon Steel Mounting Bracket for 2" Pipe	MB	d	d	d	d	d	d	d	d	d	d	b
	Stainless Steel Mounting Bracket for 2" Pipe	SB	d	d	d	d	d	d	d	d	d	d	
	Spring Loading Mounting set	LB	w	w	w	w	w	w	w	w			
	DIN Rail Mounting via Clip (to Top Hat or "G" Rail)	DB	h	h	h	h	h	h	h	h	h	h	
316 SS Conduit Adaptor for Wiring Entry	1/2" NPT to M20 x 1.5 (EEx d IIC approved) - 1 Adaptor	A1	j	j	j	j	j	j	j	j	d	d	b
	1/2" NPT to M20 x 1.5 (Qty. 2) (EEx d IIC approved) -2 Adaptors	A2	j	j	j	j	j	j	j	j	d	d	
	1/2" NPT to 3/4" NPT - 1 Adaptor	A3	j	j	j	j	j	j	j	j	d	d	
Lightning Protection	Externally Mountable to Field Mount Housing	EL	j	j	j	j	j	j	j	j	d	d	b
	Internal Surge/ Lightning Protection	SL	j	j	j	j	j	j	j	j	d	d	
Warranty	Additional Transmitter Warranty - 1 year	W1	•	•	•	•	•	•	•	•	•	•	b
	Additional Transmitter Warranty - 2 years	W2	•	•	•	•	•	•	•	•	•	•	
	Additional Transmitter Warranty - 3 years	W3	•	•	•	•	•	•	•	•	•	•	
	Lifetime Warranty - 15 years	WL									x	x	
Optional Certificate	Factory Transmitter Configuration/ Calibration Certificate	CD	•	•	•		•	•	•	•	•	•	
	SIL + Config./ Calibration Certificate	CS							f				
	Certificate of Conformance/ Origin	CC	•	•	•	•	•	•	•	•	•	•	
	SIL + Conformance/ Origin Certificate	CO							f				
	Certificate of Origin (F0195)	CF	•	•	•	•	•	•	•	•	•	•	











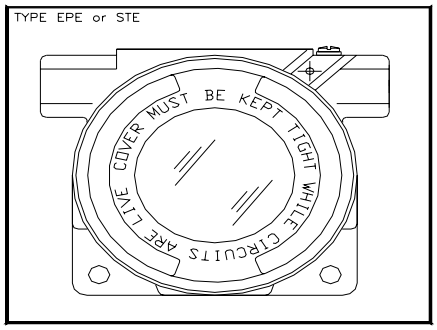


TABLE III - Housing and Meters		Selection	Availability STT17 1	STT17 3	STT17 H	STT17 F	STT25 M	STT25 D	STT25 H	STT25 T	STT35 0	STT35 F
No housing		000_	●	●	●	●	●	●	●	●	e	e
Head-mount Housings	**Conduit Entry**											
General purpose aluminum	1/2" NPT	ANE_	●	●	●	●	●	●	●	●		
General purpose aluminum	3/4" NPT	ANF _	●	●	●	●	●	●	●	●	g	g
General purpose aluminum	M20	ANM_	●	●	●	●	●	●	●	●		
Explosion proof aluminum	1/2" NPT	WEE_	●	●	●	●	●	●	●	●		
Explosion proof aluminum	3/4" NPT	WEF _	●	●	●	●	●	●	●	●	g	g
Explosion proof aluminum	M20	WEM_	●	●	●	●	●	●	●	●		
General purpose stainless steel	1/2" NPT	SNE_	●	●	●	●	●	●	●	●		
General purpose stainless steel	3/4" NPT	SNF _	●	●	●	●	●	●	●	●	g	g
General purpose stainless steel	M20	SNM_	●	●	●	●	●	●	●	●		
Explosion proof stainless steel	1/2" NPT	SEE_	●	●	●	●	●	●	●	●		
Explosion proof stainless steel	3/4" NPT	SEF _	●	●	●	●	●	●	●	●	g	g
Explosion proof stainless steel	M20	SEM_	●	●	●	●	●	●	●	●		
Cast Iron	1/2" NPT	CAE_	●	●	●	●	●	●	●	●		
Cast Iron	3/4" NPT	CAF _	●	●	●	●	●	●	●	●	g	g
Cast Iron	M20	CAM_	●	●	●	●	●	●	●	●		
Polypropylene	1/2" NPT	PPE_	●	●	●	●	●	●	●	●		
Polypropylene	3/4" NPT	PPF _	●	●	●	●	●	●	●	●	g	g
Polypropylene	M20	PPM_	●	●	●	●	●	●	●	●		
Field-mount Honeywell Housings												
Aluminum explosion proof with Beige Epoxy Coating	1/2" NPT	EPE_	●	●	●	●	●	●	●	●	●	●
Explosion-Proof 316 Stainless Steel	1/2" NPT	STE_	●	●	●	●	●	●	●	●	●	●
Integral Meter												
No Integral Meter Supplied		___0	●	●	●	●	●	●	●	●	●	●
Analog Meter for Field Mount Housing		___M					i	i	i	i	i	
E.U. Meter for Field Mount Housing		___E	o	o	o				o	o		
Smart Meter for Field Mount Housing		___S					s	s			s	
Fieldbus Meter for Field Mount Housing		___F										u

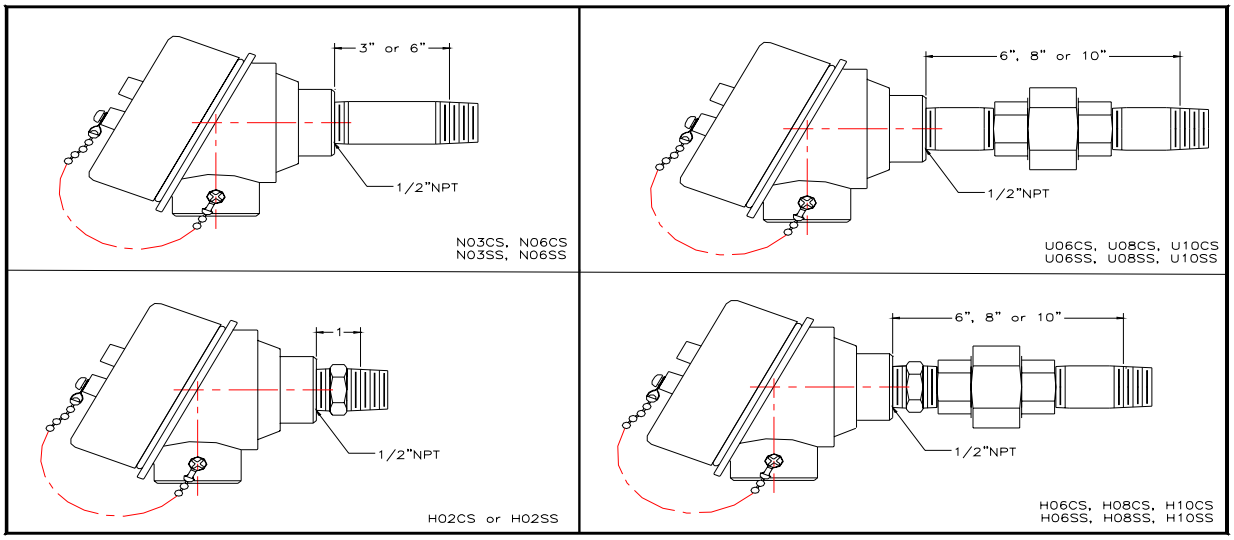


TABLE IV - Extension Type, Length "A" & Material

					Availability									
					STT17				STT25				STT35	
				Selection	1	3	H	F	M	D	H	T	0	F
No extension	**Nipple**	**Union**	**Nipple**	0000	p	p	p	p	p	p	p	p	p	p
3" Straight nipple ("A" = 2 in.)	N/A	N/A	Carbon Stl.	N03C	p	p	p	p	p	p	p	p	•	•
6" Straight nipple ("A" = 5 in.)	N/A	N/A	Carbon Stl.	N06C	p	p	p	p	p	p	p	p	p	p
Nipple-union-nipple ("A" = 5 in.)	Carbon Stl.	Carbon Stl.	Carbon Stl.	U06C	p	p	p	p	p	p	p	p	p	p
Nipple-union-nipple ("A" = 7 in.)	Carbon Stl.	Carbon Stl.	Carbon Stl.	U08C	p	p	p	p	p	p	p	p	p	p
Nipple-union-nipple ("A" = 9 in.)	Carbon Stl.	Carbon Stl.	Carbon Stl.	U10C	p	p	p	p	p	p	p	p	p	p
Nipple-XP union-nipple ("A" = 5 in.)	Carbon Stl.	Galv. Stl.	Carbon Stl.	E06C	•	•	•	•	•	•	•	•	•	•
Nipple-XP union-nipple ("A" = 7 in.)	Carbon Stl.	Galv. Stl.	Carbon Stl.	E08C	•	•	•	•	•	•	•	•	•	•
Nipple-XP union-nipple ("A" = 9 in.)	Carbon Stl.	Galv. Stl.	Carbon Stl.	E10C	•	•	•	•	•	•	•	•	•	•
Hex nipple-union-nipple ("A" = 5 in.)	SS (Hex)	Carbon Stl.	Carbon Stl.	H06C	•	•	•	•	•	•	•	•	•	•
Hex nipple-union-nipple ("A" = 7 in.)	SS (Hex)	Carbon Stl.	Carbon Stl.	H08C	•	•	•	•	•	•	•	•	•	•
Hex nipple-union-nipple ("A" = 9 in.)	SS (Hex)	Carbon Stl.	Carbon Stl.	H10C	•	•	•	•	•	•	•	•	•	•
Hex nipple-XP union-nipple ("A" = 5 in.)	SS (Hex)	Galv. Stl.	Carbon Stl.	X06C	•	•	•	•	•	•	•	•	•	•
Hex nipple-XP union-nipple ("A" = 7 in.)	SS (Hex)	Galv. Stl.	Carbon Stl.	X08C	•	•	•	•	•	•	•	•	•	•
Hex nipple-XP union-nipple ("A" = 9 in.)	SS (Hex)	Galv. Stl.	Carbon Stl.	X10C	•	•	•	•	•	•	•	•	•	•
3" Straight nipple ("A" = 2 in.)	N/A	N/A	Stn. Stl.	N03S	p	p	p	p	p	p	p	p	p	p
6" Straight nipple ("A" = 5 in.)	N/A	N/A	Stn. Stl.	N06S	p	p	p	p	p	p	p	p	p	p
Nipple-union-nipple ("A" = 5 in.)	SS	SS	Stn. Stl.	U06S	p	p	p	p	p	p	p	p	p	p
Nipple-union-nipple ("A" = 7 in.)	SS	SS	Stn. Stl.	U08S	p	p	p	p	p	p	p	p	p	p
Nipple-union-nipple ("A" = 9 in.)	SS	SS	Stn. Stl.	U10S	p	p	p	p	p	p	p	p	p	p
Nipple-XP union-nipple ("A" = 5 in.)	SS	Galv. Stl.	Stn. Stl.	E06S	•	•	•	•	•	•	•	•	•	•
Nipple-XP union-nipple ("A" = 7 in.)	SS	Galv. Stl.	Stn. Stl.	E08S	•	•	•	•	•	•	•	•	•	•
Nipple-XP union-nipple ("A" = 9 in.)	SS	Galv. Stl.	Stn. Stl.	E10S	•	•	•	•	•	•	•	•	•	•
Hex nipple only ("A" = 1 in.)	SS (Hex)	N/A	N/A	H02S	•	•	•	•	•	•	•	•	•	•
Hex nipple-union-nipple ("A" = 5 in.)	SS (Hex)	SS	Stn. Stl.	H06S	•	•	•	•	•	•	•	•	•	•
Hex nipple-union-nipple ("A" = 7 in.)	SS (Hex)	SS	Stn. Stl.	H08S	•	•	•	•	•	•	•	•	•	•
Hex nipple-union-nipple ("A" = 9 in.)	SS (Hex)	SS	Stn. Stl.	H10S	•	•	•	•	•	•	•	•	•	•
Hex nipple-XP union-nipple ("A" = 5 in.)	SS (Hex)	Galv. Stl.	Stn. Stl.	X06S	•	•	•	•	•	•	•	•	•	•
Hex nipple-XP union-nipple ("A" = 7 in.)	SS (Hex)	Galv. Stl.	Stn. Stl.	X08S	•	•	•	•	•	•	•	•	•	•
Hex nipple-XP union-nipple ("A" = 9 in.)	SS (Hex)	Galv. Stl.	Stn. Stl.	X10S	•	•	•	•	•	•	•	•	•	•

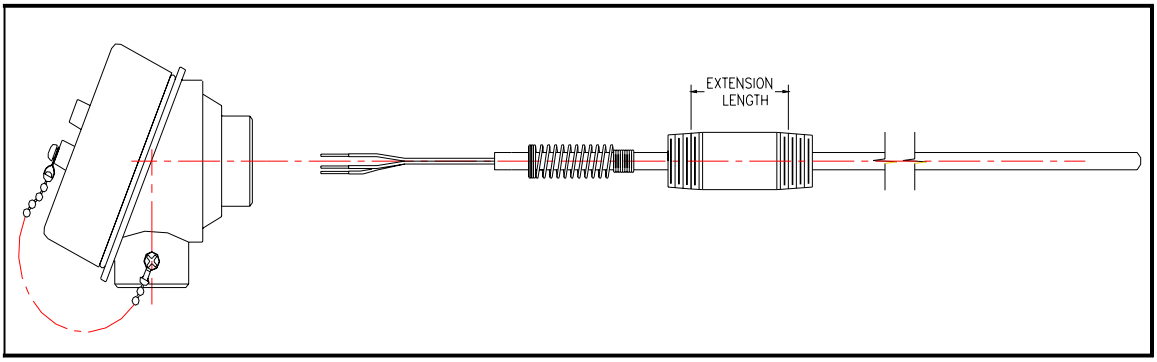


TABLE V - Sensor Type

						Availability									
						STT17				STT25				STT35	
					Selection	1	3	H	F	M	D	H	T	0	F
Sensor Type	**No sensor**				00 _ _	•	•	•	•	•	•	•	•	•	•
	Compatible with STT:	**17X**	**25X**	**35X**											
	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 _ _	•	•	•	•	•	•	•	•	•	•
	1 x Pt100 (IEC), 3-wire	1, 3, H, F	H, M, D, T	0, F	R2 _ _	•	•	•	•	•	•	•	•	•	•
	1 x Pt100 (IEC), 4-wire	1, 3, H, F	H, M, D, T	0, F	R3 _ _	•	•	•	•	•	•	•	•	•	•
	2 x Pt100 (IEC), 3-wire	H, F	T	0, F	R4 _ _	•	•	•	•	•	•	•	•	•	•
	1 x Pt200 (IEC), 3-wire	-	H, M, D	0, F	R5 _ _	•	•	•	•	•	•	•	•	•	•
	1 x Pt500 (IEC), 3-wire	-	-	0, F	R6 _ _	•	•	•	•	•	•	•	•	•	•
	1 x Pt1000 (IEC), 3-wire	H, F	M	-	R7 _ _	•	•	•	•	•	•	•	•	•	•
	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
	Grounded (standard for T/Cs)				_ _ G _	•	•	•	•	•	•	•	•	•	•
	Ungrounded (standard for RTDs)				_ _ U _	•	•	•	•	•	•	•	•	•	•
Lead Length	**No sensor**				_ _ _ 0	r	r	r	r	r	r	r	r	r	r
	Six inches(6")-Used for Terminal Blocks, STT17x, STT25x				_ _ _ 6	•	•	•	•	•	•	•	•	•	•
	Nine inches(9")-Used for field housing				_ _ _ 9	•	•	•	•	•	•	•	•	•	•

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

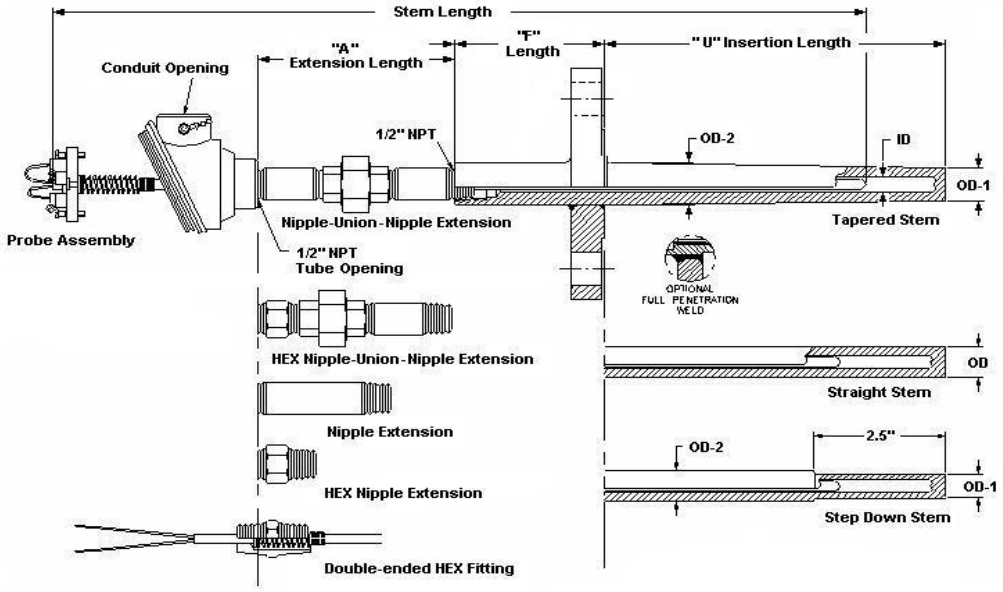


Table VI - Thermowell

					Selection	Availability									
						STT17				STT25				STT35	
						1	3	H	F	M	D	H	T	0	F
Well Design	**No thermowell**				0 _ _ _ _ _ _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
		OD-1	**OD-2**	**ID**											
	Tapered	0.75	0.88	0.26	A _ _ _ _ _ _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				0.385	B _ _ _ _ _ _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
	Straight	0.88	0.88	0.26	C _ _ _ _ _ _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				0.385	D _ _ _ _ _ _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
	Stepped	0.5	0.88	0.26	E _ _ _ _ _ _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
Well & Flange Material	**No thermowell**				_ 0 _ _ _ _ _ _ _ _ _	k	k	k	k	k	k	k	k	k	k
	Carbon Steel				_ N _ _ _ _ _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
	304 Stainless Steel				_ P _ _ _ _ _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
	316 Stainless Steel (reference price table 1)				_ R _ _ _ _ _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
Process Connection	**No thermowell**				_ _ 0000 _ _ _ _ _	k	k	k	k	k	k	k	k	k	k
	Type	**Size**	**Material**	**Rating**											
	Flat Face	1 in.	Carbon Steel, 304 or 316 Stn. Stl.	150 lbs	_ _ F10A _ _ _ _ _										
				300 lbs	_ _ F10B _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				600 lbs	_ _ F10C _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				900 lbs	_ _ F10D _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				1500 lbs	_ _ F10E _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
		1.5 in.		150 lbs	_ _ F15A _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				300 lbs	_ _ F15B _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				600 lbs	_ _ F15C _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				900 lbs	_ _ F15D _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				1500 lbs	_ _ F15E _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
		2 in.		150 lbs	_ _ F20A _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				300 lbs	_ _ F20B _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				600 lbs	_ _ F20C _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				900 lbs	_ _ F20D _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				1500 lbs	_ _ F20E _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
		3 in.		150 lbs	_ _ F30A _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				300 lbs	_ _ F30B _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				600 lbs	_ _ F30C _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				900 lbs	_ _ F30D _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				1500 lbs	_ _ F30E _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
	Raised Face	1 in.		150 lbs	_ _ R10A _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				300 lbs	_ _ R10B _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				600 lbs	_ _ R10C _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				900 lbs	_ _ R10D _ _ _ _ _	•	•	•	•	•	•	•	•	•	•
				1500 lbs	_ _ R10E _ _ _ _ _	•	•	•	•	•	•	•	•	•	•

Table VI continued on next page

Table VI - Thermowell (continued)

					Selection	STT17				STT25				STT35	
						1	3	H	F	M	D	H	T	0	F
Process Connection	**Raised Face**	1.5 in.	Carbon Steel, 304 or 316 Stn. Stl.	150 lbs	__ R15A _____	•	•	•	•	•	•	•	•	•	•
				300 lbs	__ R15B _____	•	•	•	•	•	•	•	•	•	•
				600 lbs	__ R15C _____	•	•	•	•	•	•	•	•	•	•
				900 lbs	__ R15D _____	•	•	•	•	•	•	•	•	•	•
				1500 lbs	__ R15E _____	•	•	•	•	•	•	•	•	•	•
		2 in.		150 lbs	__ R20A _____	•	•	•	•	•	•	•	•	•	•
				300 lbs	__ R20B _____	•	•	•	•	•	•	•	•	•	•
				600 lbs	__ R20C _____	•	•	•	•	•	•	•	•	•	•
				900 lbs	__ R20D _____	•	•	•	•	•	•	•	•	•	•
				1500 lbs	__ R20E _____	•	•	•	•	•	•	•	•	•	•
		3 in.		150 lbs	__ R30A _____	•	•	•	•	•	•	•	•	•	•
				300 lbs	__ R30B _____	•	•	•	•	•	•	•	•	•	•
				600 lbs	__ R30C _____	•	•	•	•	•	•	•	•	•	•
				900 lbs	__ R30D _____	•	•	•	•	•	•	•	•	•	•
				1500 lbs	__ R30E _____	•	•	•	•	•	•	•	•	•	•
	Ring Type Joint	1 in.		150 lbs	__ J10A _____	•	•	•	•	•	•	•	•	•	•
				300 lbs	__ J10B _____	•	•	•	•	•	•	•	•	•	•
				600 lbs	__ J10C _____	•	•	•	•	•	•	•	•	•	•
				900 lbs	__ J10D _____	•	•	•	•	•	•	•	•	•	•
				1500 lbs	__ J10E _____	•	•	•	•	•	•	•	•	•	•
		1.5 in.		150 lbs	__ J15A _____	•	•	•	•	•	•	•	•	•	•
				300 lbs	__ J15B _____	•	•	•	•	•	•	•	•	•	•
				600 lbs	__ J15C _____	•	•	•	•	•	•	•	•	•	•
				900 lbs	__ J15D _____	•	•	•	•	•	•	•	•	•	•
				1500 lbs	__ J15E _____	•	•	•	•	•	•	•	•	•	•
		2 in.		150 lbs	__ J20A _____	•	•	•	•	•	•	•	•	•	•
				300 lbs	__ J20B _____	•	•	•	•	•	•	•	•	•	•
				600 lbs	__ J20C _____	•	•	•	•	•	•	•	•	•	•
				900 lbs	__ J20D _____	•	•	•	•	•	•	•	•	•	•
				1500 lbs	__ J20E _____	•	•	•	•	•	•	•	•	•	•
		3 in.		150 lbs	__ J30A _____	•	•	•	•	•	•	•	•	•	•
				300 lbs	__ J30B _____	•	•	•	•	•	•	•	•	•	•
				600 lbs	__ J30C _____	•	•	•	•	•	•	•	•	•	•
				900 lbs	__ J30D _____	•	•	•	•	•	•	•	•	•	•
				1500 lbs	__ J30E _____	•	•	•	•	•	•	•	•	•	•
Lag	**No thermowell or No Lag, (Standard 2.25" F Length)**				_____ 00 ___	•	•	•	•	•	•	•	•	•	•
	2.75 in.				_____ 10 ___	•	•	•	•	•	•	•	•	•	•
	3.25 in.				_____ 15 ___	•	•	•	•	•	•	•	•	•	•
	3.75 in.				_____ 20 ___	•	•	•	•	•	•	•	•	•	•
	4.25 in.				_____ 25 ___	•	•	•	•	•	•	•	•	•	•
	4.75 in.				_____ 30 ___	•	•	•	•	•	•	•	•	•	•
Insertion Length "U"	**0 in. (No Thermowell)**				_____ 00 _	k	k	k	k	k	k	k	k	k	k
	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	•	•	•	•	•	•	•	•	•	•
			.50 in.		_____ 5	•	•	•	•	•	•	•	•	•	•
			.75 in.		_____ 7	•	•	•	•	•	•	•	•	•	•

TABLE VII - Safety Approvals (Housing & Transmitter)

Approval Body	Approval Type		Selection	Availability									
				1	3	H	F	M	D	H	T	0	F
None	No approval body certifications included		00	•	•	•	•	•	•	•	•	•	•
FM	Explosion-Proof	Class I, Div. 1,2, Groups B,C,D	1D	a	a	a	a	a	a	a	a	a	a
	Dust Ignition-Proof	Class II, Div. 1,2, Groups E,F,G											
	Outdoor Location	NEMA 4X											
CSA	Explosion-Proof	Class I, Div. 1, Groups B,C,D	2D	a	a	a	a	a	a	a	a	a	a
	Dust Ignition-Proof	Class II, Div. 1, Groups E,F,G											
	Outdoor Location	Enclosure Type 4X											
ATEX	Flameproof, zone 1	Ex II 1 G EEx d IIC T6 Enclosure rated IP 66/67	3D	a	a	a	a	a	a	a	a	a	a

TABLE VIII - Assembly Options		1	3	H	F	M	D	H	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	
External hydrostatic pressure test of thermowell (2500 PSI Standard) (4)	PT2	n	n	n	n	n	n	n	n	n	n	
Full Penetration Weld	FPW	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	
Clean for oxygen service (ASTM G93-96)	XGN	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	
Frequency calculation (Murdock, ASME PTC-19.3-1974) (Velocity, pressure and temp. required)	FRQ	t	t	t	t	t	t	t	t	t	t	
Thermowell material certificate	TMC	t	t	t	t	t	t	t	t	t	t	
Transmitter with Probe calibration (system) @ 2 points, Single Sensor (specify range)	TC1	m	m	m	m	m	m	m	m	m	m	b
Transmitter with Probe calibration (system)@ 2 points, Duplex Sensor	TC2	m	m	m	m	m	m	m	m	m	m	
Probe Calibration Data Certificate (2-point info to be provided)	AP2	m	m	m	m	m	m	m	m	m	m	b
Probe Calibration Data Certificate (3-point info to be provided)	AP3	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	
Upgrade to Special Limits Thermocouple Calibration to ANSI MC96.1 and ASTM E230, Single	SP1	t	t	t	t	t	t	t	t	t	t	
Upgrade to Special Limits Thermocouple Calibration to ANSI MC96.1 and ASTM E230, Duplex	SP2	t	t	t	t	t	t	t	t	t	t	
Upgrade to ASTM E1137 Grade A RTD, Single	CL1	t	t	t	t	t	t	t	t	t	t	
Upgrade to ASTM E1137 Grade A RTD, Duplex	CL2	t	t	t	t	t	t	t	t	t	t	

RESTRICTIONS

Restriction Letter	Available Only With		Not Available With	
	Table	Selection	Table	Selection
a	Not Available - Pending Approval			
b	Make one selection from this group			
d	III	EPE_, STE_		
e			III	000_
f	I	25H		
g			I	350, 35F
h	III	000_		
i	I	25M		
j	III	WEE_, WEF_, WEM_, SEE_, SEF_, SEM_, EPE_, STE_		
k	VI	0 _ _ _ _ _ _ _ _ _ _		
m	II	TC	V	00 _ _
n			VI	0 _ _ _ _ _ _ _ _ _ _
o	I	171, 173, 17H, 25H, 25T		
p			VII	1D, 2D or 3D
r	V	00 _ _		
s	I	25M, 25D, 350		
t			VI	0 _ _ _ _ _ _ _ _ _ _
u	I	35F		
v			I	171, 173, 17H, 17F
w			I	350, 35F
x	I	350, 35F		

Note: To request a quotation for "Other special requests", email ace@honeywell.com