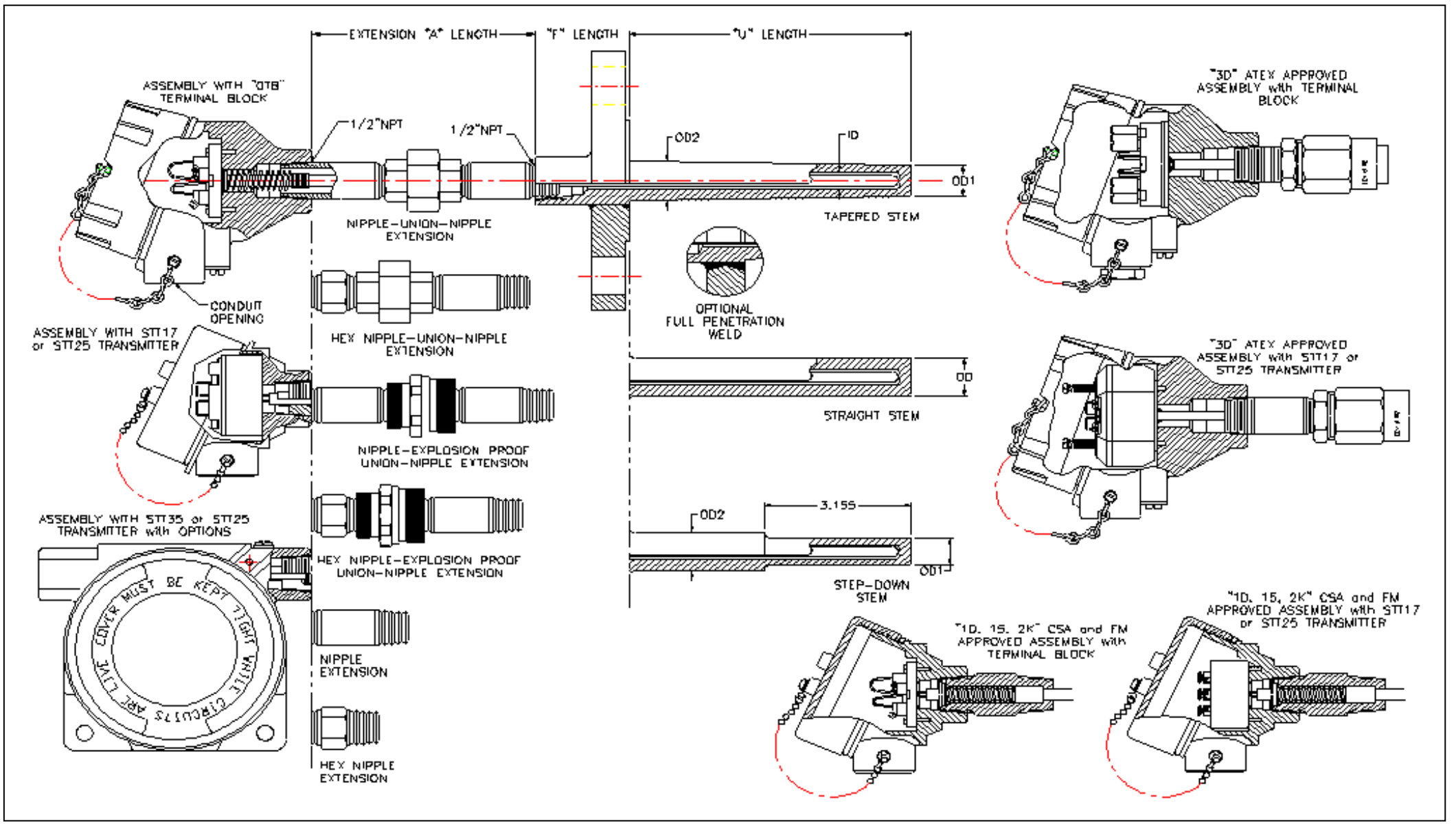
Honeywell

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

Model Selection Guide



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 Price: $1,713

Key Number	Selection	Availability
Flanged Bar Stock Thermowell Assembly	STT840	●

Transmitter options:

STT170 SERIES

STT250 SERIES

STT350 SERIES

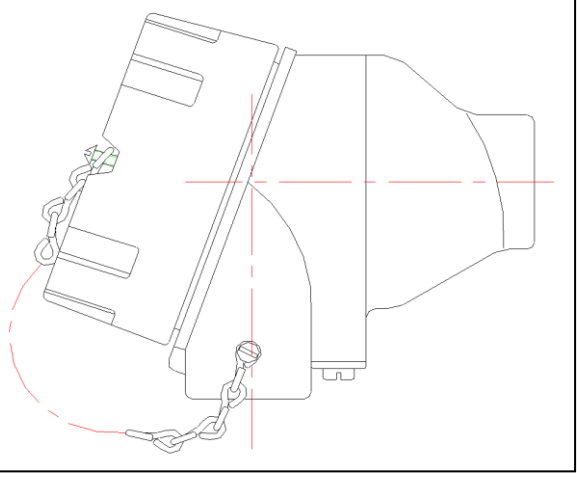
Table I Transmitter Selection	Selection	Availability 000	0TB	STT17 1	3	H	F	STT25 M	D	H	S	T	STT35 0	F
No transmitter, no housing	000	•												
No transmitter, head mount housing with terminal block only	0TB		•											
Wired to STT171 (Analog)	171			•										
Wired to STT173 (Analog)	173				•									
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 STT25S (HART6)	25S										•			
Wired to STT25T (HART)	25T											•		
Wired to STT350 (Analog/DE)	350												d	
Wired to STT35F (Fieldbus)	35F													d

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

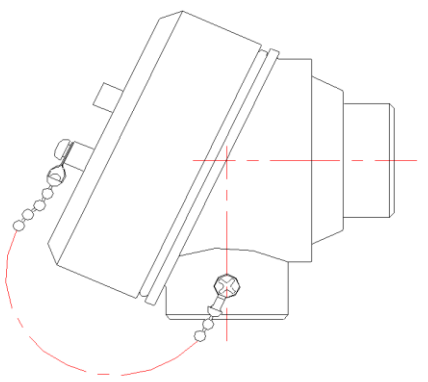
TABLE II - STT Options		Selection	Availability 000	0TB	STT17 1	3	H	F	STT25 M	D	H	S	T	STT35 0	F	
No options		00	•	•	•	•	•	•	•	•	•	•	•	•	•	
Configur-ation	Transmitter Configuration (See 13:STT-OE pages for choices)	TC			•	•	•	•	•	•	•	•	•	•	•	
Customer Tagging	316 SS Wired-on Customer I.D. Tag (4 lines, 28 chars.)	TG	e	e	e	e	e	e	e	e	e	e	e	e	e	b
	316 SS Wired-on Customer I.D. Tag (blank)	TB	e	e	e	e	e	e	e	e	e	e	e	e	e	
Owners Manual (Transmitter)	STT35F English Language Version	EF													•	b
	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							•	•	•	•	•			
	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	d	b
	Stainless Steel Mounting Bracket for 2" Pipe	SB			d	d	d	d	d	d	d	d	d	d	d	
	DIN Rail Mounting via Clip (to Top Hat or "G" Rail)	DB			h	h	h	h	h	h	h	h	h	h	h	
316 SS Conduit Adaptors	1/2 NPT to M20 - CSA CL I, Div 1, GP ABCD, Type 4; ATEX, IECEx, Ex d IIC, IP66 - 1 Adaptor	A1			d	d	d	d	d	d	d	d	d	•	•	b
	1/2 NPT to M20 - CSA CL I, Div 1, GP ABCD, Type 4; ATEX, IECEx, Ex d IIC, IP66 - 2 Adaptors	A2			d	d	d	d	d	d	d	d	d	•	•	
	1/2 NPT to 3/4 NPT - 1 Adaptor	A3			d	d	d	d	d	d	d	d	d	•	•	
Lightning Protection	Externally Mountable to Field Mount Housing	EL			d	d	d	d	d	d	d	d	d	d	d	b
	Internal Surge/ Lightning Protection	SL			d	d	d	d	d	d	d	d	d	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												•	•	
Optional Certificate	Factory Transmitter Configuration/ Calibration Certificate	CD			•	•	•	•	•	•	•	•	•	•	•	b
	SIL2 TUV Certificate	S2										•				
	Certificate of Conformance/ Origin	CC			•	•	•	•	•	•	•	•	•	•	•	b
	Certificate of Origin (F0195)	CF			•	•	•	•	•	•	•	•	•	•	•	

GENERAL PURPOSED ALUMINUM HEAD
TYPES: ANE, ANF, ANM

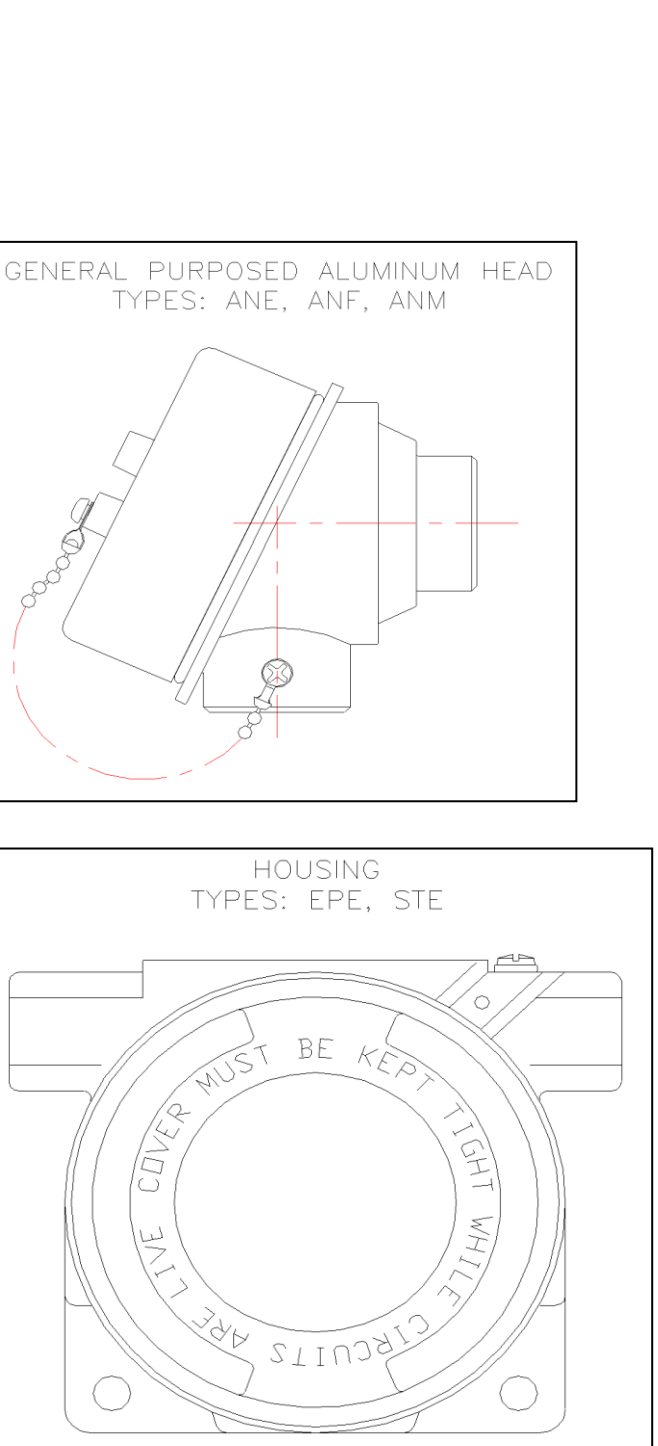
EXPLOSION PROOF ALUMINUM HEAD
TYPES: WEE, WEF, WEM



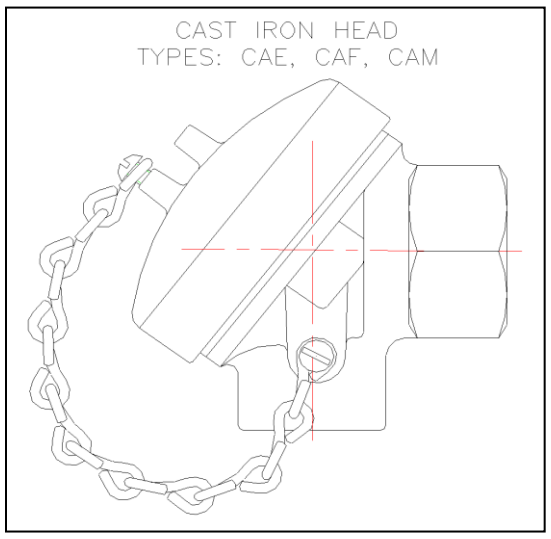
GENERAL PURPOSED STAINLESS STEEL HEAD
TYPES: SNE, SNF, SNM
EXPLOSION PROOF STAINLESS STEEL HEAD
TYPES: SEE, SEF, SEM



HOUSING
TYPES: EPE, STE



CAST IRON HEAD
TYPES: CAE, CAF, CAM



POLYPROPYLENE HEAD
TYPES: PPE, PPF, PPM

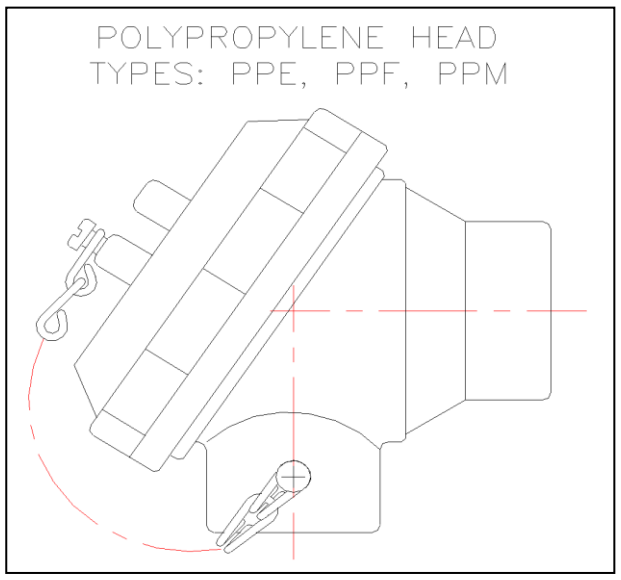
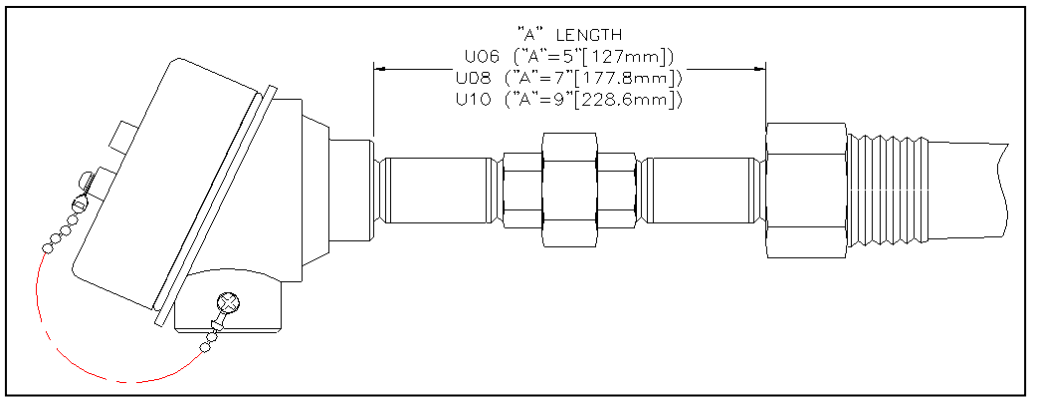
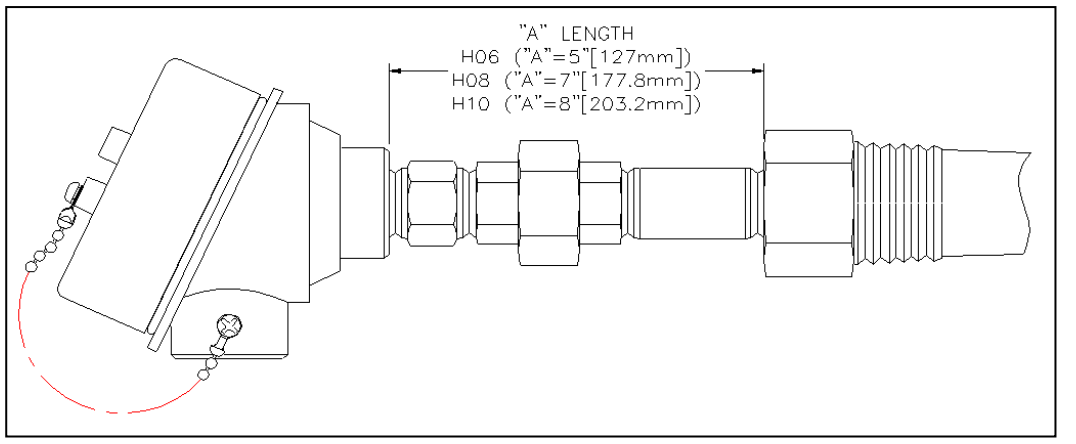
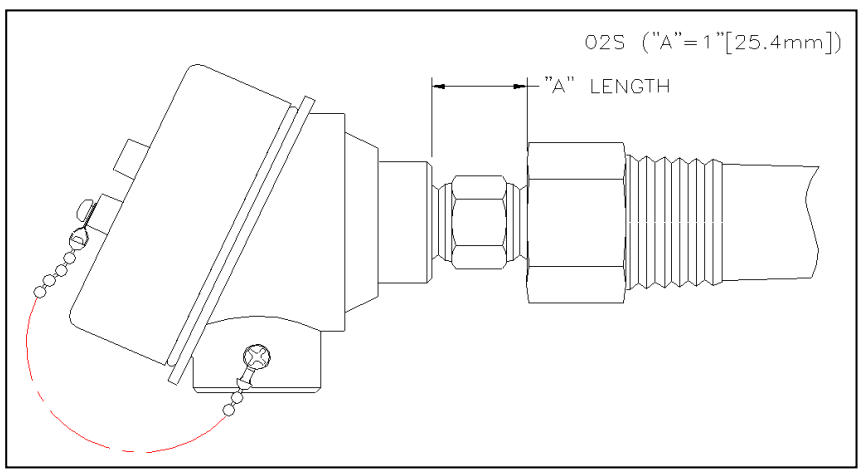


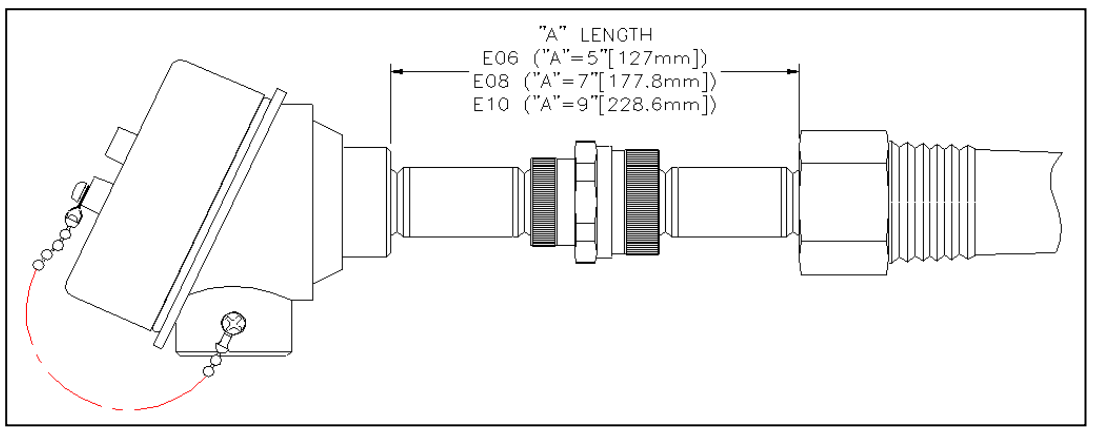
TABLE III - Housing and Meters

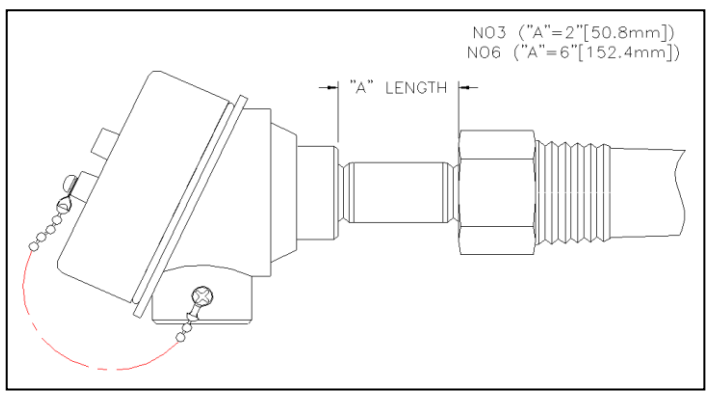
		Selection	000	0TB	STT17 1	STT17 3	STT17 H	STT17 F	STT25 M	STT25 D	STT25 H	STT25 S	STT25 T	STT35 0	STT35 F
			Availability												
No housing		000_	●		o	o	o	o	o	o	o	o	o		
Head-mount Housings	**Conduit Entry**														
General purpose aluminum	1/2" NPT	ANE_		●	o	o	o	o	o	o	o	o	o		
General purpose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











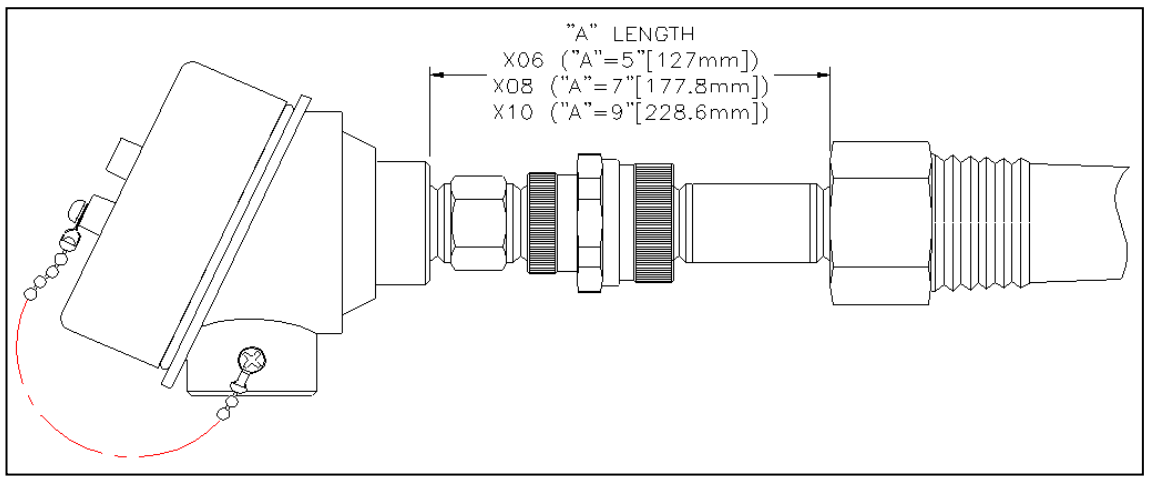
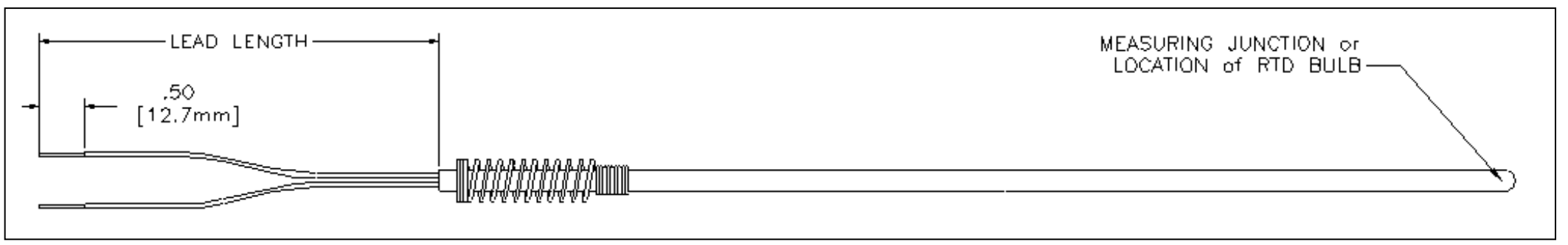


TABLE IV - Extension Type, Length "A" & Material

					Selection	000	0TB	Availability: STT17 1	STT17 3	STT17 H	STT17 F	STT25 M	STT25 D	STT25 H	STT25 S	STT25 T	STT35 0	STT35 F
No extension	**A Length**	**Nipple**	**Union**	**Nipple**	0000	•	a	a	a	a	a	a	a	a	a	a	a	a
3" Straight nipple	2 in.	N/A	N/A	Carbon Stl.	N03C	•	c	c	c	c	c	c	c	c	c	c	c	c
6" Straight nipple	5 in.	N/A	N/A	Carbon Stl.	N06C	•	c	c	c	c	c	c	c	c	c	c	c	c
Nipple-union-nipple	5 in.	Carbon Stl.	Carbon Stl.	Carbon Stl.	U06C	•	o	o	o	o	o	o	o	o	o	o	o	o
Nipple-union-nipple	7 in.	Carbon Stl.	Carbon Stl.	Carbon Stl.	U08C	•	o	o	o	o	o	o	o	o	o	o	o	o
Nipple-union-nipple	9 in.	Carbon Stl.	Carbon Stl.	Carbon Stl.	U10C	•	o	o	o	o	o	o	o	o	o	o	o	o
Nipple-XP union-nipple	5 in.	Carbon Stl.	Galv. Stl.	Carbon Stl.	E06C	•	c	c	c	c	c	c	c	c	c	c	c	c
Nipple-XP union-nipple	7 in.	Carbon Stl.	Galv. Stl.	Carbon Stl.	E08C	•	c	c	c	c	c	c	c	c	c	c	c	c
Nipple-XP union-nipple	9 in.	Carbon Stl.	Galv. Stl.	Carbon Stl.	E10C	•	c	c	c	c	c	c	c	c	c	c	c	c
Hex nipple-union-nipple	5 in.	SS (Hex)	Carbon Stl.	Carbon Stl.	H06C	•	k	k	k	k	k	k	k	k	k	k	k	k
Hex nipple-union-nipple	7 in.	SS (Hex)	Carbon Stl.	Carbon Stl.	H08C	•	k	k	k	k	k	k	k	k	k	k	k	k
Hex nipple-union-nipple	9 in.	SS (Hex)	Carbon Stl.	Carbon Stl.	H10C	•	k	k	k	k	k	k	k	k	k	k	k	k
Hex nipple-XP union-nipple	5 in.	SS (Hex)	Galv. Stl.	Carbon Stl.	X06C	•	•	•	•	•	•	•	•	•	•	•	•	•
Hex nipple-XP union-nipple	7 in.	SS (Hex)	Galv. Stl.	Carbon Stl.	X08C	•	•	•	•	•	•	•	•	•	•	•	•	•
Hex nipple-XP union-nipple	9 in.	SS (Hex)	Galv. Stl.	Carbon Stl.	X10C	•	•	•	•	•	•	•	•	•	•	•	•	•
3" Straight nipple	2 in.	N/A	N/A	Stn. Stl.	N03S	•	c	c	c	c	c	c	c	c	c	c	c	c
6" Straight nipple	5 in.	N/A	N/A	Stn. Stl.	N06S	•	c	c	c	c	c	c	c	c	c	c	c	c
Nipple-union-nipple	5 in.	SS	SS	Stn. Stl.	U06S	•	o	o	o	o	o	o	o	o	o	o	o	o
Nipple-union-nipple	7 in.	SS	SS	Stn. Stl.	U08S	•	o	o	o	o	o	o	o	o	o	o	o	o
Nipple-union-nipple	9 in.	SS	SS	Stn. Stl.	U10S	•	o	o	o	o	o	o	o	o	o	o	o	o
Nipple-XP union-nipple	5 in.	SS	Galv. Stl.	Stn. Stl.	E06S	•	c	c	c	c	c	c	c	c	c	c	c	c
Nipple-XP union-nipple	7 in.	SS	Galv. Stl.	Stn. Stl.	E08S	•	c	c	c	c	c	c	c	c	c	c	c	c
Nipple-XP union-nipple	9 in.	SS	Galv. Stl.	Stn. Stl.	E10S	•	c	c	c	c	c	c	c	c	c	c	c	c
Hex nipple only	1 in.	SS (Hex)	N/A	N/A	H02S	•	•	•	•	•	•	•	•	•	•	•	•	•
Hex nipple-union-nipple	5 in.	SS (Hex)	SS	Stn. Stl.	H06S	•	k	k	k	k	k	k	k	k	k	k	k	k
Hex nipple-union-nipple	7 in.	SS (Hex)	SS	Stn. Stl.	H08S	•	k	k	k	k	k	k	k	k	k	k	k	k
Hex nipple-union-nipple	9 in.	SS (Hex)	SS	Stn. Stl.	H10S	•	k	k	k	k	k	k	k	k	k	k	k	k
Hex nipple-XP union-nipple	5 in.	SS (Hex)	Galv. Stl.	Stn. Stl.	X06S	•	•	•	•	•	•	•	•	•	•	•	•	•
Hex nipple-XP union-nipple	7 in.	SS (Hex)	Galv. Stl.	Stn. Stl.	X08S	•	•	•	•	•	•	•	•	•	•	•	•	•
Hex nipple-XP union-nipple	9 in.	SS (Hex)	Galv. Stl.	Stn. Stl.	X10S	•	•	•	•	•	•	•	•	•	•	•	•	•



Availability

TABLE V - Sensor Type					Selection	000	0TB	STT17 1	STT17 3	STT17 H	STT17 F	STT25 M	STT25 D	STT25 H	STT25 S	STT25 T	STT35 0	STT35 F
Sensor Type	**No sensor**				00 _ _	o	o	o	o	o	o	o	o	o	o	o	o	o
	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 _ _	•	v	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	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
	1 x Pt200 (IEC), 3-wire	-	H, M, D	0, F	R5 _ _	•	v					v	v	v	v		v	v
	1 x Pt500 (IEC), 3-wire	-	-	0, F	R6 _ _	•	v										v	v
	1 x Pt1000 (IEC), 3-wire	H, F	M	-	R7 _ _	•	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** **Table I : 0TB,17_,25_ - 6" Lead length**				_ _ _ D	•	•	•	•	•	•	•	•	•	•	•	•	•

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

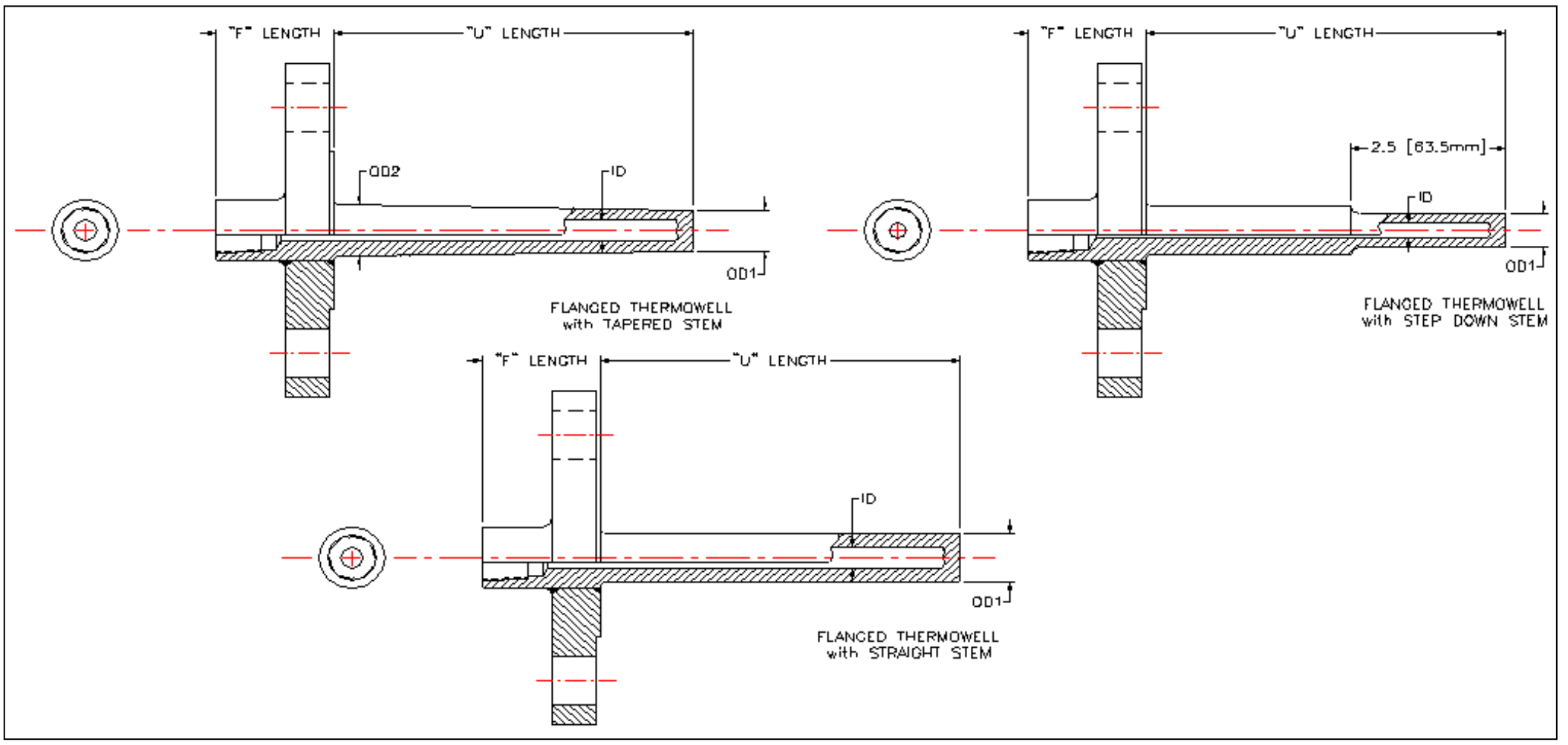


Table VI - Thermowell

						Availability													
								STT17				STT25					STT35	
					Selection	000	0TB	1	3	H	F	M	D	H	S	T	0	F
Well Design	**No thermowell**				0 _ _ _ _ _ _ _ _ _ _	k	k	k	k	k	k	k	k	k	k	k	k	k
		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 _ _ _ _ _ _ _ _ _	u	u	u	u	u	u	u	u	u	u	u	u	u
	Carbon Steel				_ N _ _ _ _ _ _ _ _ _	•	•	•	•	•	•	•	•	•	•	•	•	•
	304 Stainless Steel				_ P _ _ _ _ _ _ _ _ _	•	•	•	•	•	•	•	•	•	•	•	•	•
	316 Stainless Steel (reference price table 1)				_ R _ _ _ _ _ _ _ _ _	•	•	•	•	•	•	•	•	•	•	•	•	•
Process Connection	**No thermowell**				_ _ 0000 _ _ _ _ _	u	u	u	u	u	u	u	u	u	u	u	u	u
	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	000	0TB	STT17 1	STT17 3	STT17 H	STT17 F	STT25 M	STT25 D	STT25 H	STT25 S	STT25 T	STT35 0	STT35 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 ___	t	t	t	t	t	t	t	t	t	t	t	t	t
	3.25 in.				_____ 15 ___	t	t	t	t	t	t	t	t	t	t	t	t	t
	3.75 in.				_____ 20 ___	t	t	t	t	t	t	t	t	t	t	t	t	t
	4.25 in.				_____ 25 ___	t	t	t	t	t	t	t	t	t	t	t	t	t
	4.75 in.				_____ 30 ___	t	t	t	t	t	t	t	t	t	t	t	t	t
Insertion Length "U"	**0 in. (No Thermowell)**				_____ 00 _	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
		.50 in.			_____ 5	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

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	Class I, Div. 1, Groups A**,B,C,D Class II, Div. 1, Groups E,F,G Class III, Div. 1 T***	1D		•	•	•	•	•	•	•	•	•	•	•	•
	Flameproof	Class I, Zone 1, IIC**, T***	15		g	**g**	**g**	**g**	**g**	**g**	**g**	**g**	**g**	**g**	**g**	g
	Environmental	NEMA 4X/IP66****														
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⟩ II 2G Ex d IIC T6, Ambient Limits –20 to +60ºC	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 + H_2

*** 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

		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	t	t	t	t	t	t	t	t	t	t	t	t	t	
Full Penetration Weld	FPW	t	t	t	t	t	t	t	t	t	t	t	t	t	
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	b
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	b
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	b
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	b
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	b
Upgrade to ASTM E1137 Grade A RTD, Duplex	CL2	i	i	i	i	i	i	i	i	i	i	i	i	i	

RESTRICTIONS

Restriction Letter	Available Only With Table	Available Only With Selection		Not Available With Table	Not Available With Selection
a	VI	00000000000			
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_ _ _ _ _ _ _ _ _			
		00_ _			
x				VI	_ _ _ _ _ _ _ 0 0 _