

# EXPLOSION PROOF APPROVED FIXED

## ELEMENT THERMOCOUPLE ASSEMBLIES - MODEL 70-82

1	2	3	4	5	6	7	8	9	10	Select Type and Range
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1. AGENCY APPROVAL	
CODE	DESCRIPTION
XP	FM/CSA explosion proof approved assembly

2. THERMOCOUPLE TYPES	
CODE	DESCRIPTION
SINGLE	DUPLEX
E	EE
J	JJ
K	KK
T	TT

3. SHEATH DIAMETERS	
CODE	DIAMETER (Inches)
2	1/8
38	3/16
4	1/4
6	3/8

4. SHEATH MATERIALS		
CODE	MATERIAL	STANDARD AVAILABLE TYPES
3	Inconel 600	J, K
4	310 SS	K
5	446 SS	K
8	316 SS	E, J, K, T

5. MEASURING JUNCTION	
CODE	DESCRIPTION
U	Ungrounded

10. OPTIONS	
CODE	DESCRIPTION
SB	1/2" NPT conduit reducer bushing
I	Stainless steel tag
T-441 *	(4 to 20) mA isolated heat-mounted transmitter
T-442 *	(4 to 20) mA HART® isolated heat-mounted transmitter
*Not available with option 71 or 81	

9. HEAD TERMINATIONS	
CODE	DESCRIPTION
71	Cast Iron/aluminum explosion proof head Group C
72	DIN form B aluminum explosion proof head Group B
74	DIN form B aluminum explosion proof head Group A
75T-642B	(4 to 20) mA HART® Field Transmitter with aluminum explosion proof housing, Group A
81	316L stainless steel explosion proof head Group C
82	DIN form B 316 stainless steel explosion proof head Group B

8. HEAD MOUNTING FITTINGS	
CODE	DESCRIPTION
6HN	1/2" x 1/2" NPT hex nipple 1" "E" length
8HN	1/2" x 1/2" NPT stainless steel hex nipple 1" "E" length
9HP	1/2" NPT stainless steel bushing (no process threads)
8RND C	3/4" x 1/2" NPT stainless steel hex nipple

7. SHEATH MOUNTING FITTINGS	
CODE	DESCRIPTION
00	No Fitting

6. "X" DIMENSIONS	
Insert three digit sheath length ("X" Dimension) in inches	