

# EXPLOSION PROOF APPROVED SPRING LOADED THERMOCOUPLE ASSEMBLIES - MODEL 70-81 WITH INTEGRAL FLAME PATH

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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 316 S.S.	
CODE	DIAMETER (inches)
48	1/4

4. MEASURING JUNCTION	
CODE	DESCRIPTION
U	Ungrounded

5. "S" DIMENSIONS	
Insert three digit sheath length ("S" Dimension) in inches	

9. OPTIONS	
CODE	DESCRIPTION
SB	1/2" NPT conduit reducer bushing
I	Stainless steel tag
T-440*	(4 to 20) mA heat-mounted transmitter
T-441**	(4 to 20) mA isolated heat-mounted transmitter
T-442**	(4 to 20) mA HART® isolated heat-mounted transmitter
*Only available with option 71 or 81	
** Not available with option 71 or 81	

8. HEAD TERMINATIONS	
CODE	DESCRIPTION
71	Cast iron/aluminum explosion proof head Group C
72	DIN form B aluminum explosion proof head Group B
75T-642D	(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

7. HEAD MOUNTING FITTINGS	
CODE	DESCRIPTION
316 STAINLESS STEEL FITTINGS	
8HN	1/2" x 1/2" NPT hex nipple 1" length
8PU4*	1/2" x 1/2" NPT pipe nipple w/ flame path(specify "E" in inches)
*For longer lengths replace "4" with length in inches.	

6. ELEMENT OPTIONS	
FP	Spring loaded element with flame path