

# EXPLOSION PROOF APPROVED SPRING LOADED RTD ASSEMBLIES - MODEL 70-21 WITH INTEGRAL FLAME PATH

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1. AGENCY APPROVAL	
CODE	DESCRIPTION
XP	FM/CSA explosion proof approved assembly

2. 100 Ohm PLATINUM RTD ELEMENTS	
CODE	INITIAL ELEMENT ACCURACY 0°C
LOW RANGE WIRE WOUND (-200 TO 204) °C	
SINGLE	DUPLEX
R1T185L	R1T285L
	±0.1%
R5T185L	R5T285L
	±0.01%
LOW RANGE THIN FILM (-40 to 204) °C	
RBF185L	RBF285L
	±0.12%
RAF185L	RAF285L
	±0.06%
HIGH RANGE WIRE WOUND (-200 TO 600) °C	
R1T185H	R1T285H
	±0.1%

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

4. ELEMENT CONNECTION	
CODE	DIAMETER (inches)
2	2 Wire Element
3	3 Wire Element
4*	4 Wire Element *(Not Avail. in Duplex or with 440 Series Transmitter)

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

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