

EXPLOSION PROOF APPROVED FIXED ELEMENT RTD ASSEMBLIES - MODEL 70-22

1	2	3	4	5	6	7	8	9	Select Type and Range
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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
RTT185L	±0.1%
R5T185L	±0.01%
LOW RANGE THIN FILM (-40 to 204) °C	
RBF185L	±0.12%
RAF185L	±0.06%
HIGH RANGE WIRE WOUND (-200 TO 600) °C	
RTT185H	±0.1%

3. SHEATH DIAMETERS	
CODE	DIAMETER (inches)
28*	1/8 *Not available in Duplex
38	3/16
48	1/4
68	3/8

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
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

7. HEAD MOUNTING FITTINGS	
CODE	DESCRIPTION
6HN	1/2" x 1/2" NPT hex nipple 1" "E" length
8HN	1/2" x 1/2" NPT 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

6. SHEATH MOUNTING FITTINGS	
CODE	DESCRIPTION
00	No Fitting

5. "X" DIMENSIONS	
CODE	DESCRIPTION
00	No Fitting

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