

EXPLOSION PROOF APPROVED

RTD ASSEMBLIES WITH THERMOWELLS - MODEL 70-20

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
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)

5. THERMOWELL	
Select thermowell part number from Thermowell Section	

6. ELEMENT OPTIONS	
CODE	DIAMETER (inches)
SL*	Spring loaded element
SC	Self-contained spring loaded element
*Not available with option 75T-642B	

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
STEEL FITTINGS	
6HN	1/2" x 1/2" NPT hex nipple 1" length
6PN	1/2" x 1/2" NPT pipe nipple (specify "E" length in inches)
6XU_*	1/2" x 1/2" NPT union/riptide (specify "E" length in inches)
316SS FITTINGS	
8HN	1/2" x 1/2" NPT hex nipple 1" length
8PN	1/2" x 1/2" NPT pipe nipple (specify "E" length in inches)
8XU_*	1/2" x 1/2" NPT union/riptide (specify "E" length in inches)
*3 1/2" Minimum length required. Maximum allowable "E" is 9".	