

RTD FOR SKIN / SURFACE MEASUREMENT

MODEL
S1.05



PRODUCT DESCRIPTION

RTD for Skin / Surface Measurement is designed to measure the temperature of the pipe or tank surface. It is tied to the surface of the body to which temperature is to be measured through an insulating pad so that it collects temperature. Generally, they are used where rapid detection of temperature is required and there is no way to apply the immersive method of temperature measurement. The RTD is composed of certain metallic elements whose change in resistance is a function of temperature. This type of RTDs are used to measure surface temperature.



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KEY FEATURES

- Mineral insulated (MI) Cable
- Weld Pad Design
- Exchangeable Inserts
- Standard Followed : IEC-751 / DIN 43760

APPLICATION

- Surface Temperature Measurement

SPECIFICATIONS

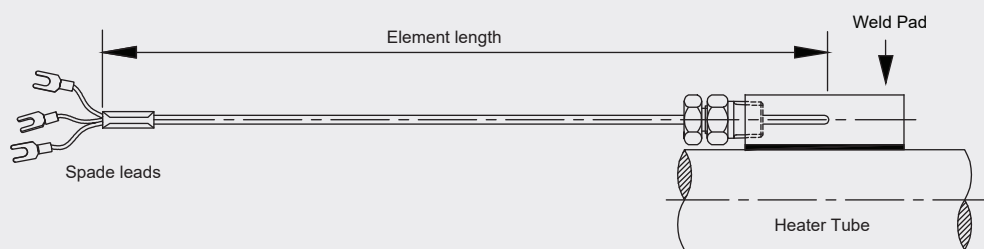
No. of element	: Simplex, Duplex
Element Type	: Pt-100
Range	: -200...400 °C
Accuracy	: Class 'A' Tolerance as per Range IEC-751 / DIN 43760
Wire Configuration	: 3 Wire System
Sheath	: 6 mm
Weld Pad Dimension	: Sq. 25 × 50 mm length

MATERIAL OF CONSTRUCTION

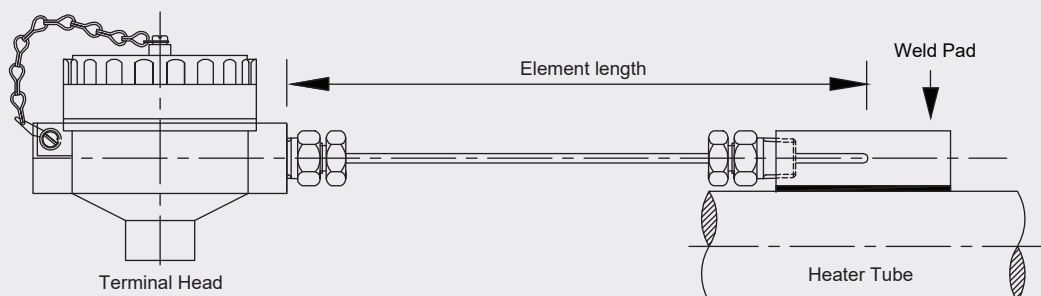
Sheath material	: SS 316
Weld Pad Material	: SS 316
Tag plate	: Stainless Steel

DIMENSIONAL DRAWINGS

Direct Mount



Enclosure type



Important Notes: Above drawings are not to scale. All dimension are in mm



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MODEL CODING & ORDERING INFORMATION

DESCRIPTION	CODE	S1.05	D	1	F	1	21	S6	B03	XX	1	XX	S4	WP1
Model RTD for Skin / Surface Measurement	S1.05	S1.05												
Version Direct Mount	D		D											
Enclosure type	E													
Element Type Pt-100	1			1										
Sensor Type Film (-200...+400 °C)	F				F									
Ceramic (0...+600 °C)	C													
Accuracy Class A (EN-751)	1					1								
Class B (EN-751)	2													
Wire Configuration Two Wire Simplex	21						21							
Two Wire Duplex	22													
Three Wire Simplex	31													
Three Wire Duplex	32													
Four Wire Simplex	41													
Four Wire Duplex	42													
Sheath Material SS 316	S6							S6						
Sheath Diameter Ø3.0 mm	B03								B03					
Ø5.0 mm	B05													
Ø6.0 mm	B06													
Ø8.0 mm	B08													
Terminal Head Type None	XX									XX				
Screwed type, Flameproof IP 68 Gr IIA IIB in Die-cast Aluminum	TH1													
Screwed Type, Explosion proof, IP 68 Gr IIC in Die-cast Aluminum	TH2													
Hinged Type, Weatherproof, IP 68 in Die Cast Aluminum	TH3													
Weather proof Head in Die-Cast Aluminum Screwed Type, Weather proof, IP 68 in Die Cast Aluminum	TH4													
Die Cast Aluminum	TH5													
Ex-Proof to CSA,FM,ATEX [EEx-d]	TH6													
SS 304-WP,IP-68	TH7													
SS 316-WP,IP-68	TH8													
No. of Cable Entry One	1										1			
Two	2													
Cable Entry Connection None	XX											XX		
1/2" NPT (F)	E2													
1/2" BSP (F)	E3													
3/4" ET (F)	E5													
M20×1.5 (F)	E6													
Weld-Pad Material SS 304	S4												S4	
SS 316	S6													
SS 316L	SL													
Weld Pad Dimension Rectangle ,50×25×25 mm	WP1													WP1
WP1Rectangle ,100×25×25 mm	WP2													
Rectangle ,100×50×50 mm	WP3													



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MODEL CODING & ORDERING INFORMATION

DESCRIPTION	CODE	XXX	XXX	LW1	14BM	X16
Element Length As per customer requirement in mm	XXX	XXX				
Lead Wire Length As per customer requirement in mm	XXX		XXX			
Lead Wire Type PTFE Insulated	LW1			LW1		
PTFE/PTFE Insulated	LW2					
PTFE/PTFE/SS Braided	LW3					
Fiber Glass/ Fiber Glass/ SS Braided	LW4					
PTFE/ PTFE/ Silicon Rubber Insulated	LW5					
Connections 1/4" BSP (M)	14BM				14BM	
1/4" NPT (M)	14NM					
1/2" BSP (M)	12BM					
1/2" NPT (M)	12NM					
M20X1.5 (M)	M20M					
Other Options Calibration Certificate	X16					X16
SS Tag plate	X26					
SS base plate Suitable for Temperature transmitter	XBP					
Head Mount Transmitter (4-20mA)	XHT					
Double Compression ,WP ,Ni-Brass	Q54					
Double Compression ,WP ,SS 304	Q55					
Double Compression ,WP ,SS 316	Q56					
Double Compression ,FLP ,Ni-Brass	Q57					
Double Compression ,FLP ,SS 304	Q58					
Double Compression ,FLP ,SS 316	Q59					

SAMPLE ORDERING CODE:

S1.05-D.1.F.1.21.S6.B03.XX.1.XX.S4.WP1.XXX.XXX.LW1.14BM.X16

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and material specified may be replaced by others without prior notice.