

AM-TE01 Industrial RTD Assembly

Spring Loaded (Head Internal)

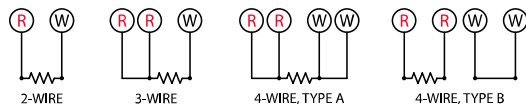


AM-TE01 resistance temperature detectors (RTDs) are industrial assemblies supplied with or without a temperature transmitter. An extensive range of elements, connection heads, insertion lengths and neck lengths can be individually selected for the appropriate application.

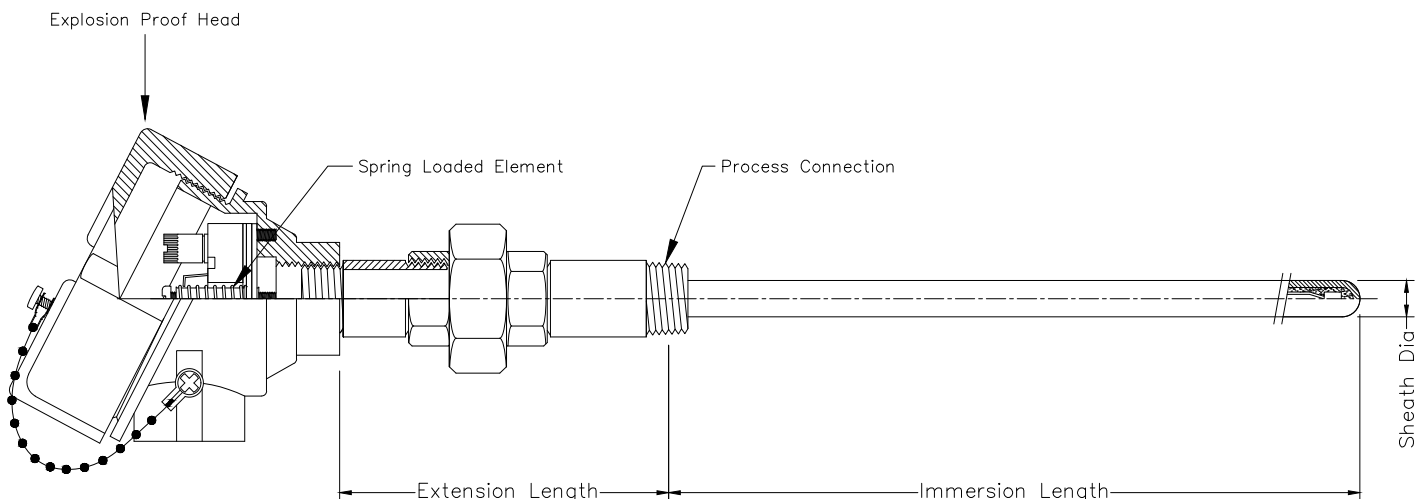
RTDs in this series are designed to fit into a variety of thermowell configurations. Spring loading is achieved within the termination head utilizing a self-gripping spring or spring loaded DIN plate. Replacement sensors can also be configured for this model.

Features:

- The sensor is designed to be mounted in to a thermowell.
- The assembly has electrical approvals for explosion proof hazardous locations, ingress protection and general purpose areas.
- Electrical authorities that have registered these approvals include CSA, IECEx, IEC. The approvals can be with or without an attached thermowell. Our patented integral flame path fitting is required when supplied without a thermowell.
- The RTD sensor is spring-loaded ensuring a positive contact to the base of a thermowell bore.



Dimensions:



Please consult factory for full specification/ Data sheet.

Ordering Information for Sheathed RTD Sensor(AM-TE01 Series)

Model	Product Description		
AM-TE01	Sheathed RTD(Resistance Temperature Detector) Sensor		
Code(1)	Connection Head type	Explosion Proof	
1	Explosion Proof Aluminum Head (Dual Conduits)	Eex d IIC	
2	Explosion Proof Aluminum Head (Single Conduits)	Eex d IIC (IP66, 68)	
3	General Aluminum Head (Single Conduits)	None (IP65)	
4	Stainless Steel Head (Single Conduits)	Eex d IIC (IP66, 68)	
5	Sensor only with 150mm long TERLON insulated lead wires		N/A
Code(2)	Sensor type		
GP	General purpose style		
SL	Spring Loaded style		
Code(3)	Terminal		
S	Single junction		
D	Dual junction		
Code(3)	No. of Conductor wire		
2	2-wire		
3	3-wire		
4	4-wire		
Code(5)	Applicable standard for RTD		
D	DIN43760-'79		
I	IEC STANDARD Publication 60751		
Code(6)	Element Type	Material	Tempearture Range
P	Pt 100 Ω at 0°C	Pure Platinum	-196 ~ 660°C
Q	Pt 1000 Ω at 0°C	Pure Platinum	-70 ~ 550°C
R	Pt 100 Ω at 0°C	Pure Platinum	-70 ~ 550°C
Code(7)	Extension Type	Extension Length(mm)	
00	None		
10	Fixed Thread	None	
11	Fixed Thread	100	
13	Fixed Thread	150	
19	Fixed Thread	others	
23	Nipple Thread	100	
29	Nipple Thread	others	
33	Nipple, Union & Nipple Thread	150	
39	Nipple, Union & Nipple Thread	others	
43	Nipple & Flange Welded	100	
44	Nipple & Flange Welded	150	
49	Nipple & Flange Welded	others	
50	Compression Fitting	None	
60	Movable Thread	None	
61	Movable Flange	None	
73	Tube welded Flange	100	
74	None Metal Only Tube	None	
75	None Metal Only Flange	100	

Please consult factory for full specification/ Data sheet.

SHEATHED RESISTANCE TEMPERATURE DETECTOR SENSOR

AM-TE01

76	Ring welded screwed	100
99	Others	
Code(8)	Sheath Material	
A	304SS	
B	316SS	
C	INCONEL 600	
D	310SS	
E	446SS	
F	347SS	
G	321SS	
H	316LSS	
Code(9)	Sheath Outer Diameter	
32	3.2mm	60 6.0mm
48	4.8mm	12 12.0mm
64	6.4mm	
80	8.0mm	
Code(10)	Conduit Connection	
A	1/2"PF	G M20x1.5
B	1/2"PT	
C	1/2"NPT	
D	3/4"PF	
E	3/4"PT	
F	3/4"NPT	
Code(11)	Connection Type	
0	None	
2	PT	
3	PF	
4	NPT	
8	NPS	
F01	ANSI 150# RF	
F02	ANSI 150# FF	
F03	ANSI 300# RF	
F04	ANSI 300# FF	
F05	ANSI 600# RF	
9	Compression fitting connector	
F99	Others	
Code(12)	Process Connection Size	Material
ZZ	None	None
H3	1/2"	304 SS
H4	1"	304 SS

Please consult factory for full specification/ Data sheet.

H5	1 1/2"	304 SS
H6	2"	304 SS
M3	1/2"	316 SS
M4	1"	316 SS
M5	1 1/2"	316 SS
M6	2"	316 SS
X	Others	
Code(13)	Sensor Immersion Length(L)	
L0100	100mm	
L0150	150mm	
L0200	200mm	
L0250	250mm	
L0300	300mm	
L0350	350mm	
L0400	400mm	
L0450	450mm	
L0500	500mm	
L0550	550mm	
L0600	600mm	
L0700	700mm	
L0800	800mm	
L0900	900mm	
L1000	1000mm	
XXXXX	Others	
Code(14)	Tolerance Grade	
R1	CLASS B($\pm 0.3 + 0.005 t $)	
R2	CLASS A($\pm 0.15 + 0.002 t $)	
X	Others	
Code(15)	Calibrate certifications	
N	Not apply	
T1	Test Report byManufacturer	
Code(16)	Accessory Options	
0	None	
1	Thermowell	
2	Skin Pad	
Sample ordering code : RTD;		
TE01 1GPS3DP33B32A4M3L0300R2T1		

Please consult factory for full specification/ Data sheet.