

AM-TE05 Remote Mount Industrial



RTD Assembly:

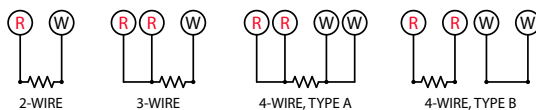
AM-TE05 series resistance temperature detectors (RTDs) are remote mounted industrial assemblies supplied with or without a temperature transmitter. They are designed for applications where direct mounting is inaccessible, where there is excessive radiated or conducted heat, or applications where high vibrations exist.

An extensive range of elements, connection heads, insertion lengths and process connections can be individually selected for the appropriate application. Replacement sensors can also be configured for this model.

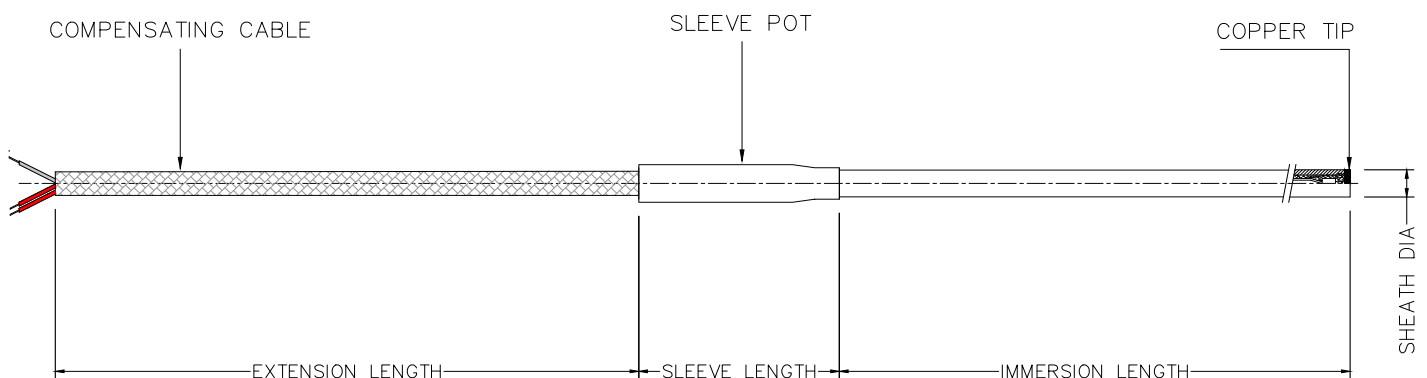
RTDs in this series can be inserted directly into a process or combined with a variety of thermowell designs.

Features:

- The sensor can be mounted into a thermowell for directly into a process with the use of a spring loaded or compression process fitting.
- 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 RTD sensor can be spring-loaded ensuring a positive contact to the required location.
- For applications that are exposed to outside weather conditions or where moisture is present, the flexible armour extension can be provided with a moisture-proof jacket of PTFE (Teflon) or PVC.



Dimensions:



Please consult factory for full specification/ Data sheet.

Ordering Information for AM-TE05 Series

Model	Product Description		
AM-TE05	Extension Lead type RTD sensor		
Code(1)	Connection Head type	Explosion Proof	
1	Explosion Proof Aluminum Head (Dual Conduits)	Eex d IIC T5	
2	Explosion Proof Aluminum Head (Single Conduits)	Eex d IIB+H2 T6	
3	General Aluminum Head (Single Conduits)	None(IP65)	
4	General Stainless Steel Head (Single Conduits)	IP66, IP68)	
5	Sensor only with 150mm long TEFLON insulated lead wires		N/A
Code(2)	Terminal		
S	Single junction		
D	Dual junction		
Code(3)	No. of Conductor wire		
2	2-wire		
3	3-wire		
4	4-wire		
Code(4)	Extension lead type		
FS	Flexible Copper shield type		
FF	Flexible Copper shield with compression fitting		
FA	Flexible armoured type		
FQ	Flexible armoured with compression fitting		
BS	Bayonet spring load type		
Code(5)	Applicable standard for RTD		
D	DIN 43760-79		
I	IEC STANDARD Publication 751		
Code(6)	Element Type	Material	Temperature 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
Co	Extension Length(mm)		
2000	2000		
XXXX	others		
Code(8)	Sleeve type		
10	55 mmL, Epoxy molded		
XX	others		
Code(9)	Sheath Material		
A	304SS		
B	316SS		
C	INCONEL 600		
D	310SS		
E	446SS		
F	347SS		
G	321SS		
X	Others		

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EXTENSION LEAD TYPE RESISTANCE TEMPERATURE DETECTOR SENSOR

AM-TE05

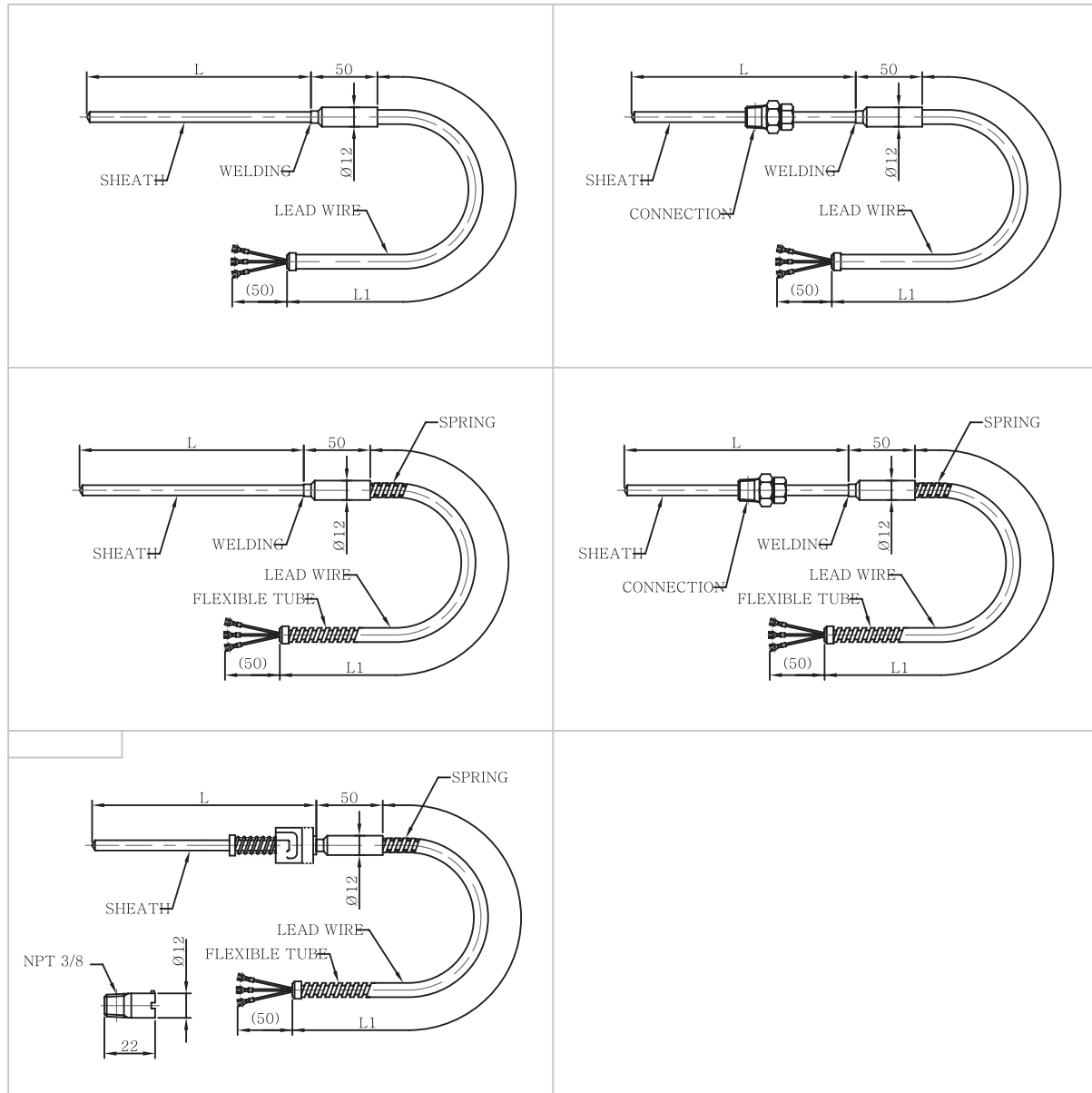
Code(10)	Sheath Outer Diameter	
32	3.2mm	
34	4.8mm	
36	6.4mm	
38	8.0mm	
Code(11)	Conduit Connection	
Z	None	
A	1/2"PF	
B	1/2"PT	
C	1/2"NPT	
D	3/4"PF	
E	3/4"PT	
F	3/4"NPT	
Code(12)	Connection Type	
0	None	
2	PT	
3	PF	
4	NPT	
8	NPS	
F01	ANSI 150# RF	
F02	ANSI 150# FF	
F03	ANSI 300# RF	
F04	ANSI 300# FF	
F05	ANSI 600# RF	
9	Compression fitting connector	
F99	Others	
Code(13)	Process Connection Size	Material
ZZ	None	None
H3	1/2"	304 SS
H4	1"	304 SS
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
M7	3"	316 SS
X	Others	

Please consult factory for full specification/ Data sheet.

Code(14)	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(15)	Tolerance Grade
R1	CLASS B($\pm 0.3 + 0.005 t $) for RTD
R2	CLASS A($\pm 0.15 + 0.002 t $) for RTD
X	Others
Code(16)	Calibrate certifications
N	Not apply
T1	Test Report by Manufacturer
T2	Test Report by KOLAS(ILAC-MRA) ; Customer-specified max. three ³ temperature point
Code(17)	Accessory Options
0	Not apply
1	Thermowell
X	Others
Sample ordering code : RTD;	
TE055S3FPDP200010B36Z4M3L0150R1T1	

Please consult factory for full specification/ Data sheet.

R.T.D EXTENSION LEAD WIRE TYPE (AM-TE05 Series)



Please consult factory for full specification/ Data sheet.

Applications:

- For direct installation into the process
- Machine building
- Motors
- Bearings
- Pipes and vessels

Special features:

- Sensor ranges from -200 ... +1,260 °C [-328 ... +2,300 °F]
- For insertion or screw-in with optional process connection
- Versions with/without connector or connection housing (option)
- Explosion-protected versions (option)

Description:

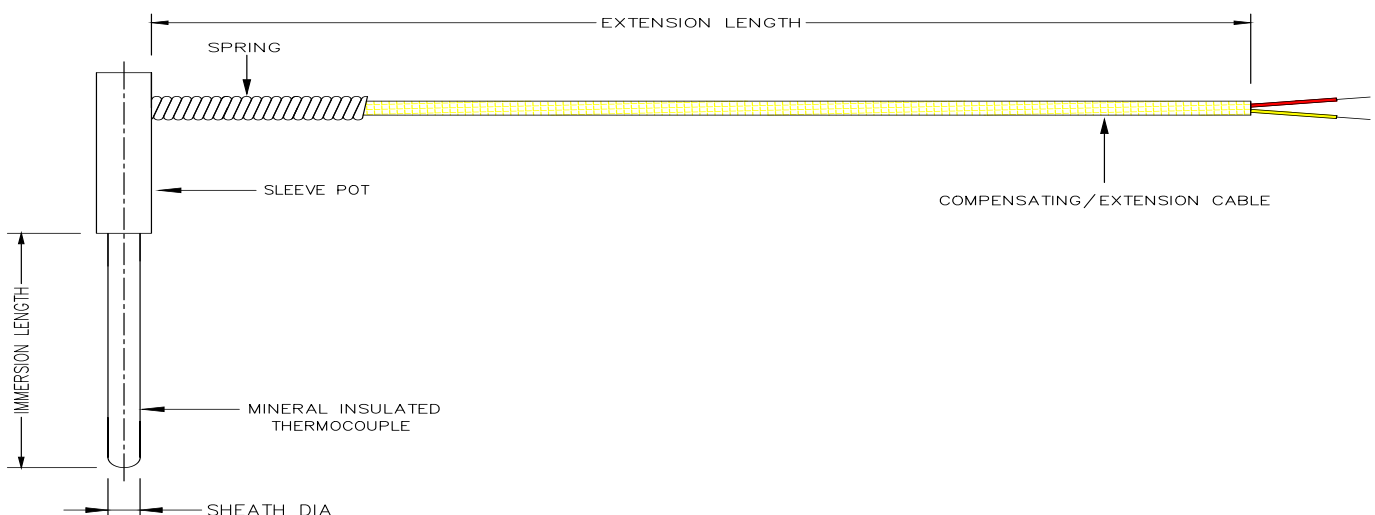
Cable thermocouples are particularly suited to those applications in which the metal probe tip is mounted directly into bored holes (e.g. in machine components) or directly into the process for any application with no chemically aggressive media or abrasion.

A large number of different explosion protection approvals are available for the AM-TE06.

For mounting into a thermowell, a spring-loaded compression fitting should be provided, since only this can press the measuring tip into the bottom of the thermowell. Otherwise a potentially critical force could be exerted on the measuring tip.

In the standard version the cable probes are manufactured without process connections. Fastening elements such as threaded connections, compression fittings, etc. are possible as options.

Dimensions:



Please consult factory for full specification/ Data sheet.