

Applications:

To measure surface temperatures on flat surfaces or pipes, in both laboratory and industrial applications.

Special features:

- Sensor ranges from -200 ... +1,200 °C [-328 ... +2,192 °F]
- Easily exchanged, no thermowell necessary
- For screw-fitting, welding or using a tightening strap
- Cable from PVC, silicone, PTFE or glass fibre
- Explosion-protected versions

Description:

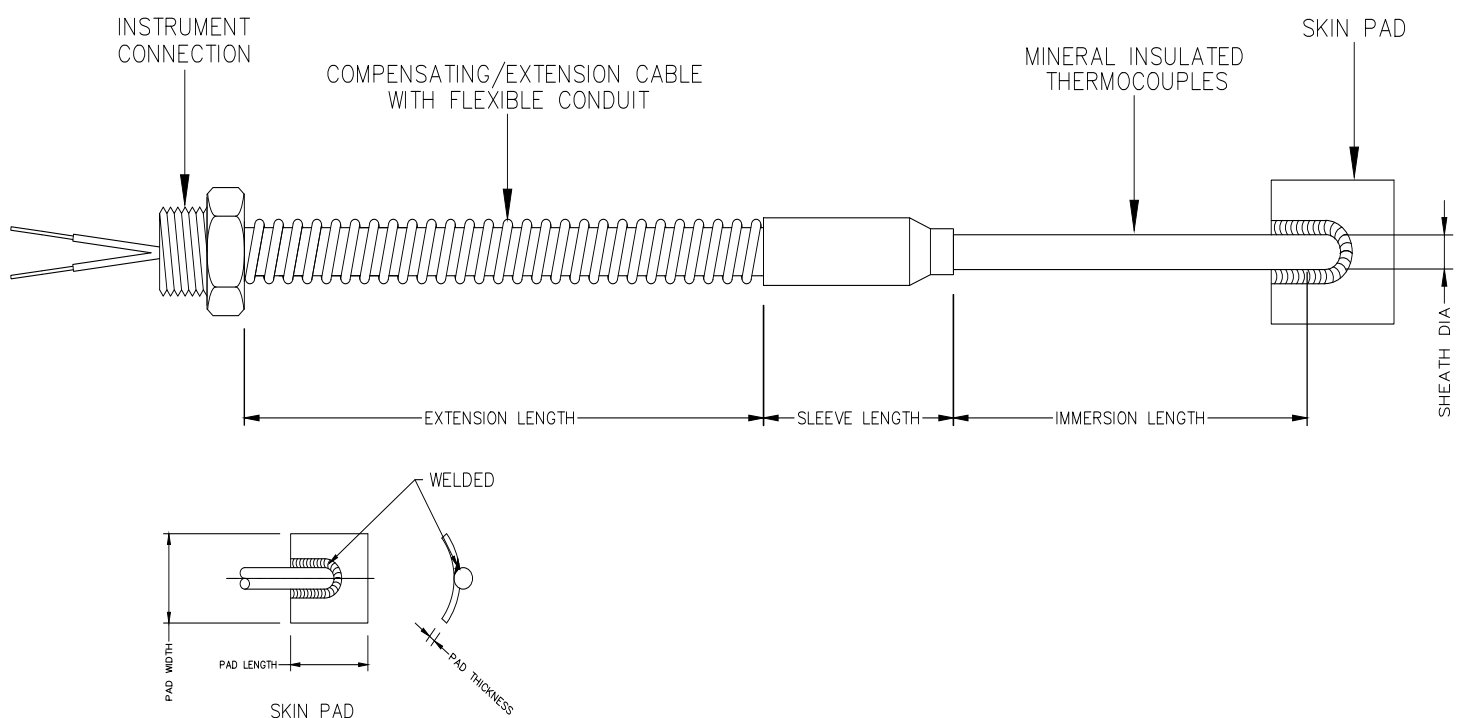
Probe

In the variants for flat surfaces, the probe is fitted within a contact block. This can be screwed or welded onto the vessel surface. Variants for pipes are secured using a tightening strap.

Cable

There are various insulating materials available to suit any particular environmental conditions. The cable end is made up, ready for connection, but can also be fitted with a connector or connected to a field case, as options.

Dimensions:



Please consult factory for full specification/ Data sheet.

Ordering Information for AM-TE07 Series

Model	Product Description		
AM-TE07	Skin type Thermocouple 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)	None(IP65)
5	Sensor only with 150mm long TEFLON insulated lead wires		N/A
Code(2)	Element Type	Thermocouple Wire Alloys	Tempearture Range
	Thermocouple "K"	Chromel / Alumel	-200 ~ 1200°C
E	Thermocouple "E"	Chromel / Constantan	-200 ~ 800°C
J	Thermocouple "J"	Iron / Constantan	0 ~ 750°C
T	Thermocouple "T"	Copper / Constantan	-200 ~ 350°C
Code(3)	Terminal		
S	Single junction	T	Triple junction
D	Dual junction		
Code(4)	No. of Conductor wire		
2	2-wire		
4	2-wire Duplex		
6	2-wire Triplex		
Code(5)	Extension Type	Length(mm)	
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	
34	Nipple, Union & Nipple Thread	200	
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	
76	Ring welded screwed	100	
99	Others		
Code(6)	Extension lead type		
OO	None		
FS	Flexible shield lead type		
FA	Flexible tube armoured lead type		

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FQ	Flexible lead type with quick connector	
FP	Flexible lead type with with metal Plug & socket	
BS	Bayonet spring load type	
Code(7)	Tip shape	
P	Padded type & Grounded junction	
K	Knife-edge type & Grounded junction	
Code(8)	Extension Length(mm)	
0000	None	
2000	2000	
XXXX	others	
Code(9)	Sheath Material	
A	304SS	
B	316SS	
C	INCONEL 600	
D	310SS	
E	446SS	
F	347SS	
G	321SS	
X	Others	
Code(10)	Sheath Outer Diameter	
31	1.6mm	
32	3.2mm	
34	4.8mm	
36	6.4mm	
38	8.0mm	
Code(11)	Conduit Connection	
O	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)	Process Connection Size	Material
ZZ	None	None
H1	1/4"	304 SS
H2	3/8"	304 SS
H3	1/2"	304 SS
H4	1"	304 SS
H5	1 1/2"	304 SS
H6	2"	304 SS
H7	3"	304 SS
M1	1/4"	316 SS
M2	3/8"	316 SS

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M3	1/2"	316 SS
M4	1"	316 SS
M5	1 1/2"	316 SS
M6	2"	316 SS
M7	3"	316 SS
P	Pad(19 x 19mm, 3mmT'hk)	Same as sheath material
K	Knife edge	Same as sheath material
X	Others	
Code(13)	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(14)	Lead wire diameter	
33	0.18mm(AWG 33)	
30	0.25mm(AWG 30)	
24	0.51mm(AWG 24)	
21	0.72mm(AWG 21)	
18	1.02mm(AWG 18)	
16	1.27mm(AWG 16)	
14	1.63mm(AWG 14)	
XX	Others	
Code(15)	Sensor Immersion Length(L)	
L0100	100mm	
L0150	150mm	
L0200	200mm	
L0250	250mm	
L0300	300mm	
L0350	350mm	
L0400	400mm	
L0450	450mm	
L0500	500mm	

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L0550	550mm
L0600	600mm
L0700	700mm
L0800	800mm
L0900	900mm
L1000	1000mm
XXXXX	Others
Code(16)	Tolerance Grade
A0	ANSI Grade(STD)
A1	ASTM Grade(STD)
A2	IEC Grade(STD)
A3	ANSI Grade(SP)
Code(17)	Calibrate certifications
N	Not apply
T1	Test Report by Manufacturer
Code(18)	Accessory Options
0	Not apply
1	Shield case
2	Strap
3	Clip
4	Ceramic fiber(max. 1300°C)
X	Others
Sample ordering code : Thermocouple;	
TE071S2FAKP0000C3618CHT02L1550K3T11/3/4	

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