

Extension Lead wire type RTD (Resistance Temperature Detector) sensor (150 series)

Applications

The sensor is placed inside a flexible metal sheathe. With or without extension cable, process connection on request. If fitted, the extension cable can be provided with PVC, silicone, teflon or fiber glass insulation the soldering between the extension cable and the sheathed cable is enclosed in a sealed sleeve.

- Flexible, small probes for machines, chemical plant
- For low-Pressure, low velocity fluid and measurements requiring short response time
- For a wide range of media: vapors, gases, liquids and non-abrasive substances, provided that these are compatible with the sheath material



Standard Specification Overview

Element type

- Pt 100Ω at 0°C, Pt 1000Ω at 0°C

Sheath Out Diameter (mm)

- 3.2 / 4.8 / 6.4 / 8.0 / etc

Lead connection

- 3-wires / 4-wires / 6-wires

Number of Element

- Single / Double

Sheath Material

- 316 SS / Inconel 600 / etc...

Class

- Class A $\pm (0.15 + 0.002 | t |)$, Class B $\pm (0.3 + 0.005 | t |)$

Operating Temperature Range

- -200 ~ 600°C

Rated Current

- 1mA

Ordering Information for 150 Series

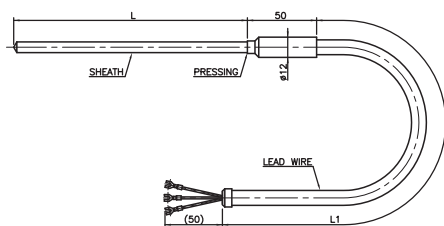
Model	Description		
150	Extension Lead wire type RTD (Resistance Temperature Detector) sensor		
Code (1)	Connection Head type	Explosion Proof	
1	Explosion Proof Aluminum Head (Dual Conduits)	Ex d IIC T6	
2	Explosion Proof Aluminum Head (Single Conduits)	Ex d IIC T6	
3	General Aluminum Head (Single Conduits)	Weatherproof (IP65)	
4	General Stainless Steel Head (Single Conduits)	Weatherproof (IP65)	
5	None Head (Extended Lead Wire)	N/A	
Code (2)	Element Type	TCR	Temperature Range
P	Pt 100Ω at 0°C	3850 ppm/K	-200 ~ 600°C
Q	Pt 1000Ω at 0°C	3850 ppm/K	-200 ~ 600°C
Code (3)	Terminal		
S	Single Junction		
D	Double Junction		
Code (4)	No. of Conductor wire		
3	3-wire (Single)		
4	4-wire (Single)		
6	6-wire (Double)		
Code (5)	Extension lead type		
FS	Flexible Copper shield type		
FF	Flexible Copper shield with compression fitting		
FA	Flexible Armored type		
FQ	Flexible Armored with compression fitting		
BA	Flexible Armored with Bayonet spring load type		
BS	Bayonet spring load type		
Code (6)	Extension Length (mm)		
2000	2000		
XXXX	Others		
Code (7)	Sheath Material		
A	316/316L SS		
C	INCONEL 600		
X	Others		
Code (8)	Sheath Outer Diameter		
32	3.2mm		
34	4.8mm		
36	6.4mm		
38	8.0mm		
99	Others		
Code (9)	Process Connection Size	Material	
A	None	None	
B	1/2" (15A)	304 SS	

C	3/4" (20A)	304 SS
D	1" (25A)	304 SS
E	1-1/2" (40A)	304 SS
F	2" (50A)	304 SS
G	1/2" (15A)	316 SS
H	3/4" (20A)	316 SS
I	1" (25A)	316 SS
J	1-1/2" (40A)	316 SS
K	2" (50A)	316 SS
Z	Others	
Code (10)	Process Connection Type	
0	None	
2	PT	
3	PF	
4	NPT	
8	NPS	
9	Compression fitting connector	
F01	ANSI 150# RF	
F02	ANSI 150# FF	
F03	ANSI 300# RF	
F04	ANSI 300# FF	
F05	ANSI 600# RF	
F15	JIS 10K RF	
F16	JIS 10K FF	
F17	JIS 20K RF	
F18	JIS 20K FF	
F99	Others	
Code (11)	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	

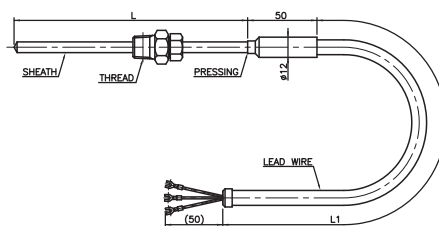
Code (12)	Tolerance Grade
R1	CLASS B : $\pm (0.3 + 0.005 t)$
R2	CLASS A : $\pm (0.15 + 0.002 t)$
X	Others
Code (13)	Calibrate certifications
N	Not apply
T1	Test Report by Manufacturer
T2	Test Report by KOLAS (ILAC-MRA)
Code (14)	Accessory Options
0	Not apply
1	Thermowell
M2	2" Mounting Bracket (2-hole)
M4	2" Mounting Bracket (4-hole)
X	Others
Sample Ordering Code : RTD 1501PS3FS2000A36B4L0150R1N1	
* The standard specification and price are subject to change without prior notice	

R.T.D EXTENSION LEAD WIRE TYPE (150 Series)

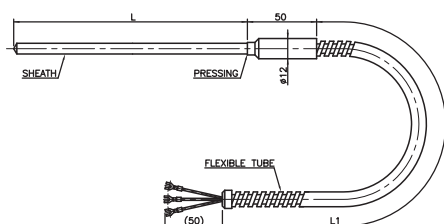
1501-FS



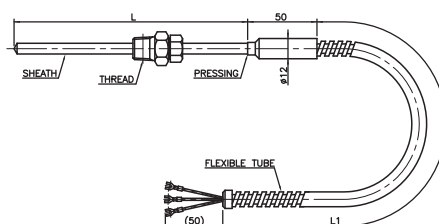
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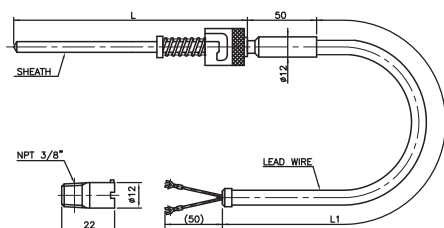
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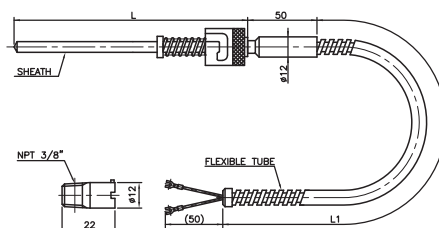
1501-FQ



1501-B5



1501-BA



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