

General Purpose Sensor Assembly (TE.11 Series)

Primarily intend for immersion application with low-cost and can accommodate with the wide range of sensing elements. Design may vary based on application and your need.

Basically, sensor has been housed inside sealess tube or mineral insulated cable and extension cable will help reach the transmitter which locate far from the process. Other designs and calibration service are available upon request.

RTD Specifications	
Resistance at 0°C	100/1000 Ω
Standard	IEC 60751
Tolerance	Class A , B

Note: Other sensor type and tolerance will be available upon request.

Thermocouple Specification	cifications			
Sensor type	K (NiCr-Ni) J (Fe-CuNi) T (Cu/Cu-Ni) E (NiCr-CuNi)			
Standard	IEC 60584			
Tolerance	Class 1			

Note: Other sensor type will be available upon request.

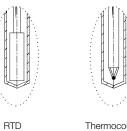
General Specifications	
Wire end	Bare end, Connector, Spade lug
Sensor element	RTD and thermocouple
Sensor sheath diameter	ø1.6 to 12.7 mm
Sensor sheath material	SS 316/L

Extension Wire	
FEP insulated	400°F (204°C)
PFA insulated	500°F (260°C)
TFE insulated	500°F (260°C)
Fiberglass insulated	900°F (482°C)
PVC insulated	221°F (105°C)
Standard wire size	AWG 24, AWG 26

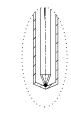
Note: Other wire types such as stainless braided (SSOB) on wire insulation and sizes are available upon request.



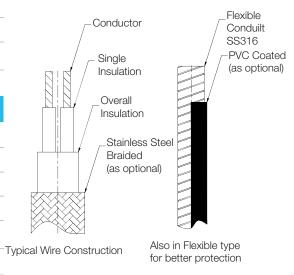
Types of Hot Junctions



Thermocouple ungrounded junction



Thermocouple grounded junction



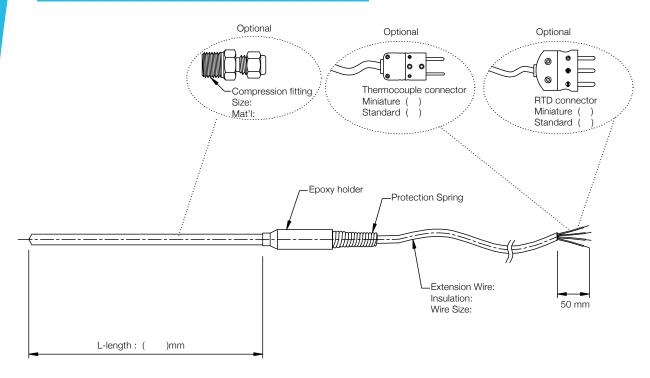
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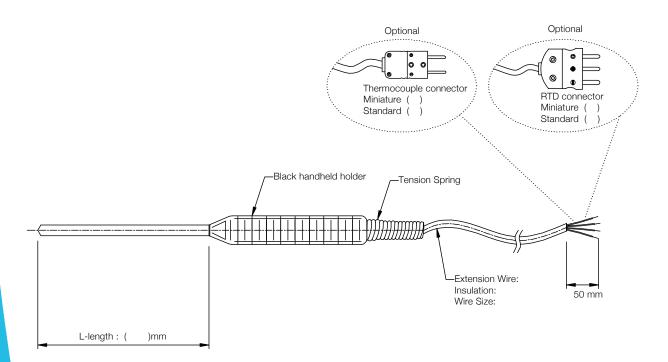


General Assembly Drawings

Sensor Assembly with epoxy holder



Sensor Assembly with PVC handheld



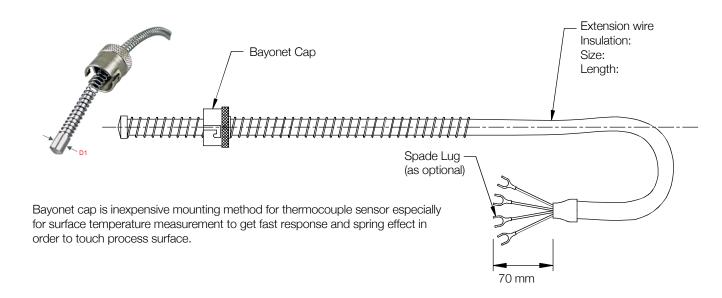
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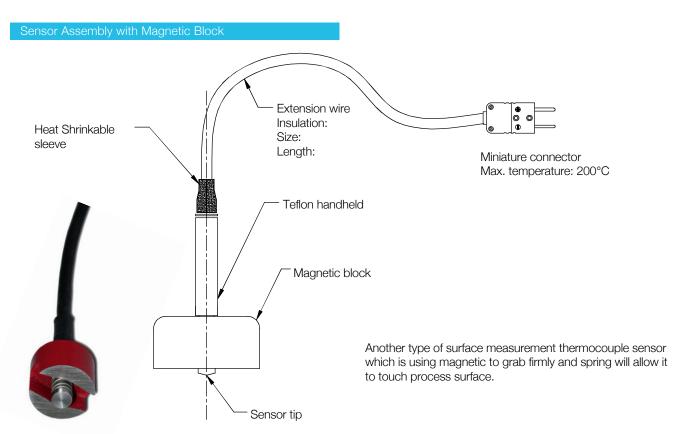




Type of connection will also lead variety of construction for sensors which is used for different application.

Sensor Assembly with Bayonet Cap











General Purpose Temperature Sensor Assembly (TE.11 Series ,Ordering Guideline)

Please refer to below data sheet for choosing right model number of your sensor and do let us know about your need.

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				couple								
				couple	norat	tura [Detector)	١				
				n, to be			Detector ,	,				
-		Class A , IEC 751 , Thin Film (RTD) (Note: the data for reference only , it may varies based on sensor type)										
	Sensor sheath								** *			
	M1 MI-RTDØ 6 mm-Single-3 Wires-SS 316 (Note: the data for reference only, it may varies based on sense									aries based on sensor type)		
	Wire junction U Ungrounded (Std for RTD)											
				Groun		a (51	a for R I	U)				
				Expos								
				Shea				o a 01	DE for	105 mm long)		
				^^^	110 k	be sp	ecillea ((e.g 012	≥o ior	125 mm long)		
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				1	2		xy holder tic handh		der nr	otection spring		RTD, Miniature male connector/plug RTD, Miniature female connector/plug
				1	4					connector/plug		2 Base plate
					5					connector/plug		Base plate with terminal block
					6					male connector/plug		4 Bare end*
	7 Thermocouple, Miniature female co			emale connector/plug	Υź	Special version, to be specified						
						Wii	re Insul	ation	AW	3 24		
							Thermo				Y:	3 Special version, to be specified
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							Extension wire length					•
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										ocouple, Std male connector/plug	9	
										ocouple ,Std female connector/plug		Special version, to be specified
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										(Note: Non-Singlas / Singlas Calibratio	n rep	port is avaliable upon request)
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