

Resistant temperature detector without head

Model RTW

Standard Probes or inserts without Heads

Features

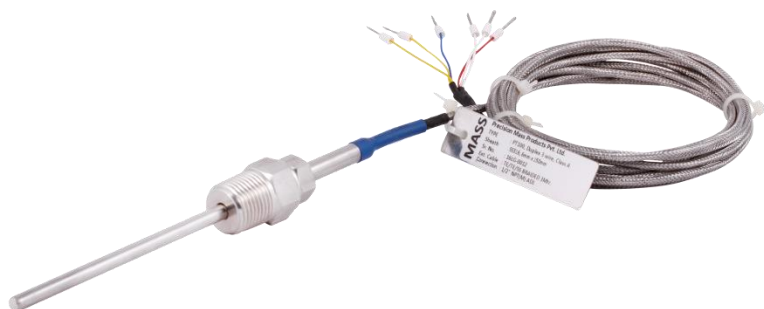
- High stability sensor
- Mineral insulated for flexibility and durability
- Custom designs for specific applications

Ranges

- 200 up to 600 °C
- 325 up to 1100 °F

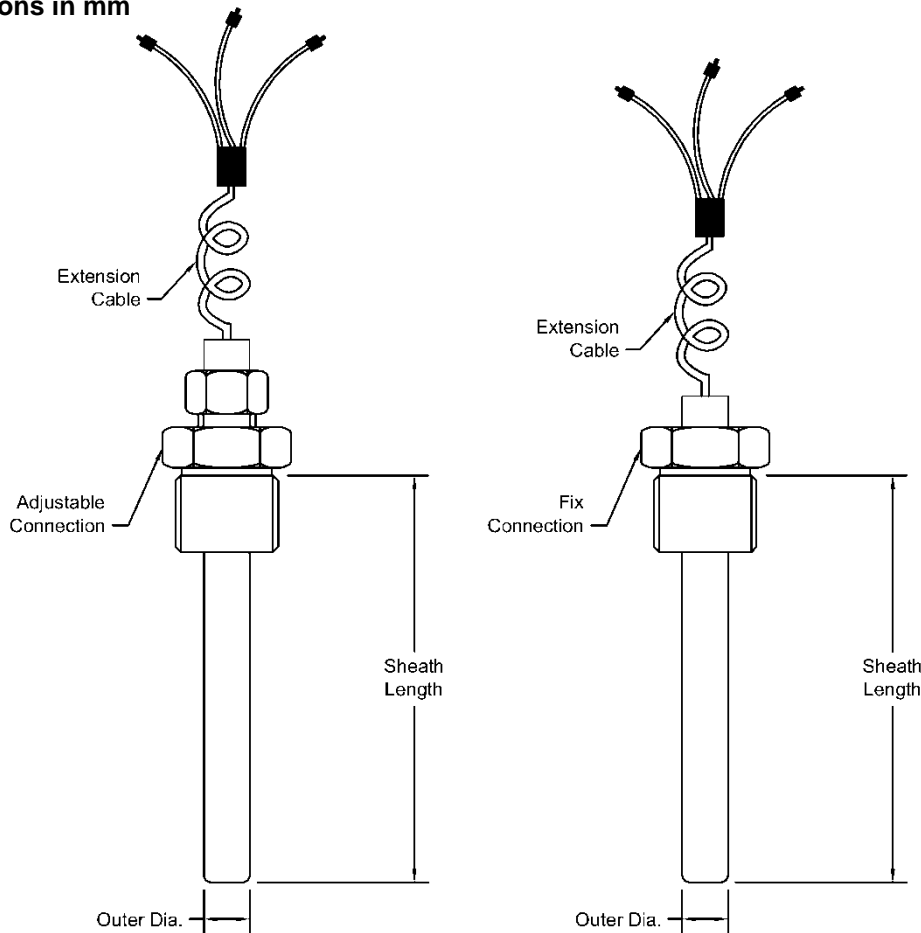
Applications

Chemical and petrochemical industry
 Machine and apparatus construction
 Pharmaceuticals, Dairy & Food process industry
 Pulp and paper industry
 Storage Tanks
 Power generation
 Reactors



Technical specification	RTW
Element	Pt100, Pt500, Pt1000
Element type	Simplex or duplex
Measuring principle	
Range	From -200 to 600 °C
Sheath diameter	4mm, 6mm, 8mm, others on request
Sheath length	Rigid up to 1000mm, flexible with MI cable 6X5 up to 20000mm
Process connection	1/4", 1/2", 3/4" NPT/BSP, Fix, adjustable
Material	
Process connection	Stainless steel 316, optional SS321
Sheath	Stainless steel 316, optional SS 321, Inconel 600
Electrical specification	
Wiring configuration	2 wire, 3 wire and 4 wire
Lead wire	26-gauge standard copper wire, silver plated
Insulation	100 X 10 ⁶ ohms minimum insulation when measured at 500 VDC
General specification	
Accuracy	Class "A" and Class "B" as per DIN EN 60751, optional 1/3 rd & 1/10 th DIN
Stability	±0.04 maximum ice-point resistance shift following 1,000 hrs at maximum specified temperature

General dimensions in mm



Order information

Model	Element	Element type	Accuracy class	Sheath material	Sheath diameter	Sheath length	Process connection	Connection Type	Extension Cable	Options
RTW	Pt100	(S2) Simplex 2 wire	(1) 1/10 th Din	(S) SS316	(D4) 4mm	55 to 1000 mm	(=) None	(=) None	(=) None	(NH) SS wired tag
	Pt500	(S3) Simplex 3 wire	(3) 1/3 rd Din	(SA) SS321	(D6) 6mm		(02) 1/4" NPT(M)	(F) Fixed Hex nut	(CM) MI cable extension	
	Pt1000		(A) Class 'A' -70/300C	(I6) Inconel 600	(D8) 8mm		(04) 1/2" NPT(M)	(D) Adjustable connection sliding on stem	(CA) Stainless steel armored PTFE insulated extension cable	
		(S4) Simplex 4 wire	(B) Class 'B' -70/500C		(D10) 10mm		(05) 3/4" NPT(M)		(TT) PTFE-PTFE, extension cable	
		(D2) Duplex 2 wire	(EA) Extended temperature Class A -200/600C				(13) 1/4" BSP(M)		(TTS) PTFE-PTFE, SS braided extension cable	
		(D3) Duplex 3 wire					(15) 1/2" BSP(M)		(FF) Fiber-Fiber, extension cable	
							(17) 3/4" BSP(M)			
					(16) M20x1.5(M)					
Others on request										Certificate
										(CD4) 4 Point Calibration Certi.

1) Specify length of extension cable in meter EG. CM1.5 = CM with 1.5m, Max length 20m, only for sheath diameter 6mm

How to order

Model	Element	Element type	Accuracy Class	Sheath Material	Sheath Diameter	Sheath Length	Process Connection	Connection Type	Extension Cable	Options	Certificate
RTW	PT100	S3	A	S	D6	100	04	D	TT	NH	CD4

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