

# Resistant temperature detector without head

## Model RTW

Standard Probes or inserts without Heads

### Features

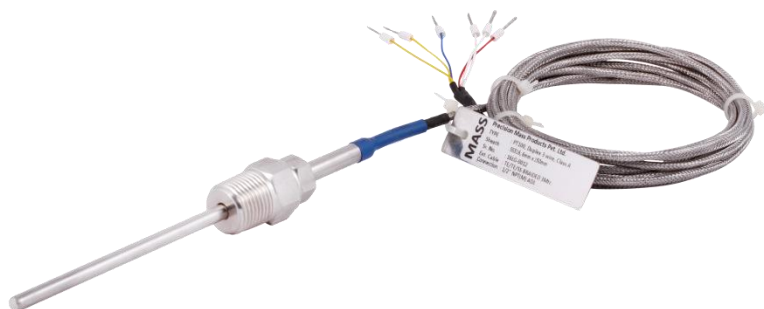
- High stability sensor
- Mineral insulated for flexibility and durability
- Custom designs for specific applications

### Ranges

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

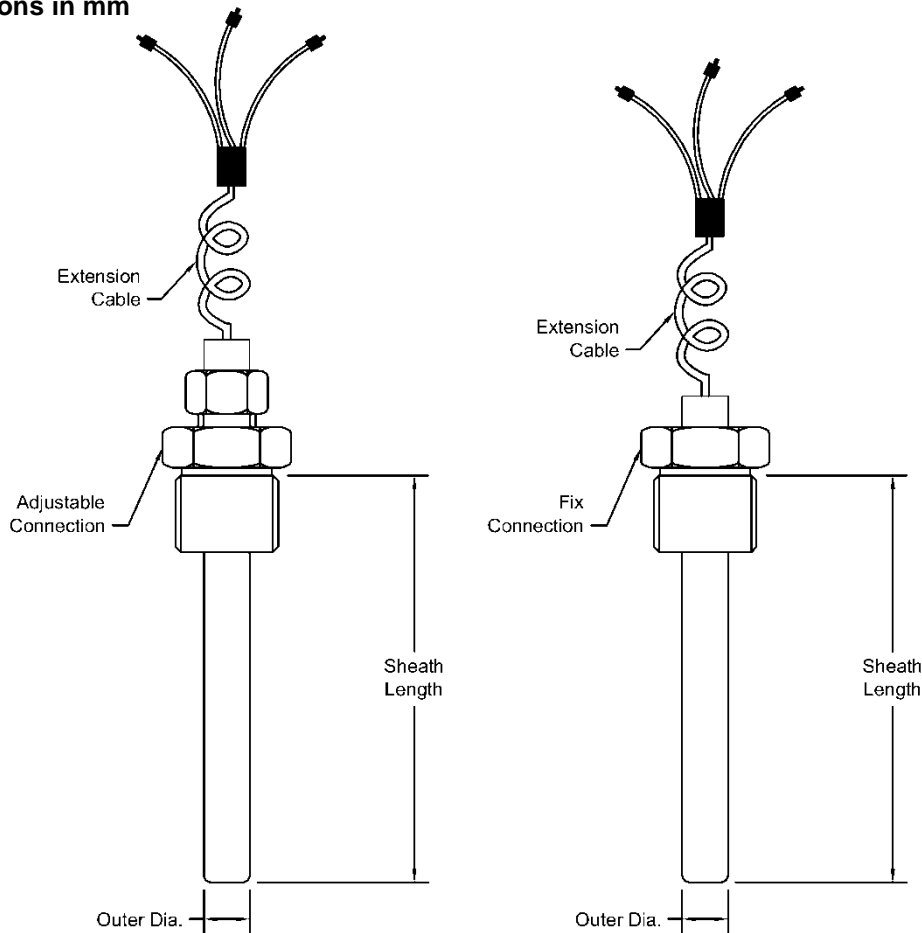
### Applications

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 upto 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
<b>Electrical specification</b>	
Wiring configuration	2 wire, 3 wire and 4 wire
Lead wire	26-gauge standard copper wire, silver plated
Insulation	100 X 10 <sup>6</sup> ohms minimum insulation when measured at 500 VDC
<b>General specification</b>	
Accuracy	Class "A" and Class "B" as per DIN EN 60751, optional 1/3 <sup>rd</sup> & 1/10 <sup>th</sup> 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	Option
RTW	Pt100	(S2) Simplex 2 wire	(1) 1/10 <sup>th</sup> Din	(S) SS316	(D4) 4mm	55 to 1000 mm	(=) None	(=) None	(=) None	(NH) Tagging wired
	Pt500	(S3) Simplex 3 wire	(3) 1/3 <sup>rd</sup> Din	(SA) SS321	(D6) 6mm		(02) 1/4" NPT(M)	(F) Fixed Hex nut	(CM) MI cable extension	
	Pt1000	(S4) Simplex 4 wire	(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	
		(D2) Duplex 2 wire	(B) Class 'B' -70/500C	(D10) 10mm	(05) 3/4" NPT(M)		(TT) Teflon- Teflon, extension cable			
	(D3) Duplex 3 wire	(EA) Extended temperature Class A -200/600C	(13) 1/4" BSP(M)	(15) 1/2" BSP(M)	(17) 3/4" BSP(M)		(TTS) Teflon- Teflon, SS braided extension cable			
					(16) M20x1.5(M)		(FF) Fiber- Fiber, extension cable			
				Others on request						

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	Option
RTW	PT100	S3	A	S	D6	100	04	D	TT	NH

## Precision Mass Products Pvt. Ltd.

Plot No.: 2306, G.I.D.C. Chhatral, Ta: Kalol, Dist.: Gandhinagar, Chhatral -382729, Gujarat, India.

Telephone: +912764 233681/82/83

Email: sales@precisionmass.com

Fax: +91-2764-233440

www.precisionmass.com

- North Zone : sales.delhi@precisionmass.com
- East zone : sales.kolkata@precisionmass.com
- West zone : sales.mumbai@precisionmass.com
- South zone : sales.chennai@precisionmass.com