

Platinum Resistance Thermometer





- The most common & important application of High accuracy Platinum Resistance
 Thermometers (PRTs) is temperature measurements in calibration /metrological, laboratories ,
 R&D applications where accuracy is of utmost importance It has wide applications for drywells & temperature baths.
- Low Drifts, high temperature measurement range makes the instrument versatile for wide applications, high accuracy PRTs are very Sensitive to mechanical shocks,
 Tunix made a special design which made it more rugged in absorbing mechanical shocks & vibrations

Model No	Outer Diameter (XX) mm	Probe length (XXX) mm	Extension cable length (XX)			
			Mtr			
TPRT A	6.0	450	1.5			
TPRT 113 A	-	-	-			
TPRT 115 A	-	-	-			
TPRT 110 A	-	-	-			

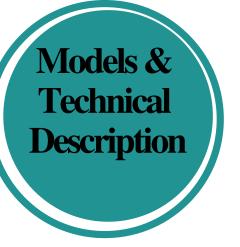
Example: TPRT A-6-450-1.5

Can be provided as per customer requirement

Note: kindly specifically mention cable termination(Flying leads/ USB Connector)



Accurate & versatile Temperature measurements for metrological applications



Parameter	Model TPRT A	Model TPRT 113A	Model TPRT 115 A	Model TPRT 110A
Thermal Drift	± 0.05 °C at 0 °C after 50	± 0.05 °C at 0 °C after 50 Hrs	± 0.05 °C at 0 °C after 50 Hrs	± 0.05 °C at 0 °C after 50
	Hrs at/above 200 °C, or	at/above 200 °C, or minimum ±	at/above 200 °C, or	Hrs at/above 200 °C, or
	minimum ± 0.07 °CPer	0.07 °C Per Year whichever is	minimum ± 0.07 °C Per Year	minimum ± 0.07 °C Per
	Year whichever is higher	higher	whichever is higher	Year whichever is higher
Tolerance as per IEC 60751	-90 °C ± 0.33 °C	-90 °C ± 0.25 °C	-90 °C ± 0.14 °C	-90 °C ± 0.07 °C
	0 °C ± 0.15 °C	0 °C ± 0.10 °C	0 °C ± 0.06 °C	0 °C ± 0.03 °C
	100 °C ± 0.35 °C	100 °C ± 0.27 °C	100 °C ± 0.16 °C	100 °C ± 0.08 °C
	200 °C ± 0.55 °C	200 °C ± 0.43 °C	200 °C ± 0.43 °C	200 °C ± 0.43 °C
	300 °C ± 0.75 °C	300 °C ± 0.60 °C		
	400 °C ± 0.95 °C	400 °C ± 0.77 °C		
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- Temperature Range -38 to 400°C.
- Resistance at 0° C: Nominal 100Ω .
- Temperature Coefficient: 0.00385Ω / °C.
- Sheath Material: SS-316.
- Dimension: Standard or can be provided as per customers requirement.
- Resistance at 0°C: Nominal 100 Ω.
- Extension leads: 1.5 mtr. long teflon Insulated silver plated copper cable (4 wire) with flying leads/USB Connector or can be provided as per customers requirement.
- Handle Dimension: 15 mm (OD) X 100 mm(L).
- Calibration: Standard at 5 points at NABL Accredited Lab (Optional).
- Short Term Stability: ±0.02 °C.