

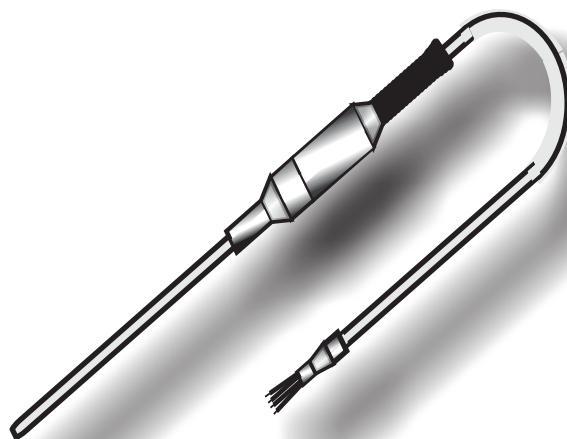


Temperature reference thermometer PRTD SP-01 350 mm

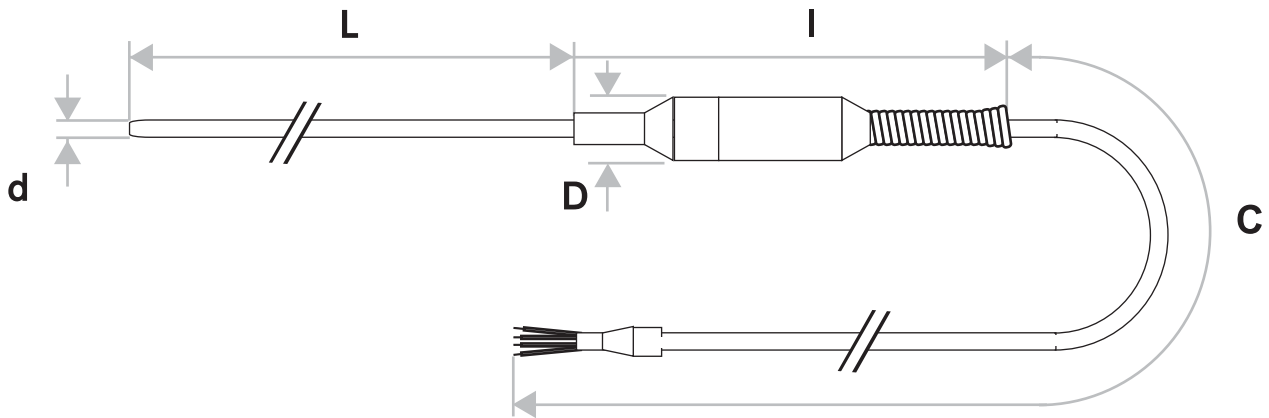
The reference thermometer SP-01 is a platinum resistance thermometer specially developed for typical laboratory applications, delivering excellent stability due to its aged physically pure platinum resistance element with pure alumina insulation. The reference thermometer SP-01 is supplied on demand with a durable transport case.

Applications: in general laboratory thermometers.

Construction: The design of this practical and accurate thermometer allows the sensor coil to expand and contract in the internal bores of the ceramic insulator. The result of this free construction is an excellent stability in the whole temperature range.



SP-01 350 mm Specifications:



Description	Temperature Range	Part number	Dimensions (mm)					Self Heating
SP-01 350 mm	-40°C to +420°C	22.300.010	L=350	D=22	d=6.0	l=150	C=1500	0.07K/mW

Technical Specification

Nominal resistance:	100 Ohm @ 0 °C	Insulation resistance:	> 4 G Ohms @ room temperature; > 1.5 G Ohms @ 420 °C
Temperature range:	-40 °C to +420 °C	Measuring current:	1 mA
Temperature coefficient:	Tc = 3850 ppm/K	Immersion depth:	120mm to 250mm
Extension cable:	Silicon - insulated, stranded cooper, 4 x 24 AWG	Self Heating:	0.070 K/mW
Protective tube material:	AISI 316	Thermal Hysteresys Test:	Max. Ro-drift 0.04% (according to ASTM E 644-02 item 16)

Sensor Technology reserves the right to make changes in illustrations and technical data printed in this Data Sheet resulting from further development. These datas replaces all previous published issue.