
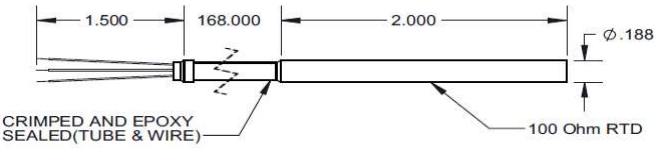




<b>Specifications</b>	<b>Catalog Number</b>	
	<b>DLCPTTEMP001 (PT100)</b> <b>DLCPTSMRT001 (PT100 Smart-Cable)</b>	
<b>Application and Operating Conditions</b>		
Required Components	Each PT100 independent sensor requires a PT100 Smart-Cable in order to connect to the DeviceLink Connect mote	
Application	Temperature based monitoring for laboratory equipment. This PT100 independent sensor is to be used with the DeviceLink Connect remote monitoring system	
Application Environment	Non-corrosive, non-flammable, non-explosive, good air ventilation	
<b>Sensor Specifications</b>		
Connection Interface	USB (Type A) connection from Smart-Cable to DeviceLink Connect mote	
Type	3 wire, 100 ohm Platinum RTD (TC=3850 ppm/K)	
Measurement Range	-200°C to +600°C	
Accuracy	± 0.5°C (0.05% full scale)	
Display Resolution	0.1	
System Resolution	0.01	
<b>Sensor Construction</b>		
RTD Type	Single element RTD, Class B, 0.1% WO.3, Wire wound, PT-100 ohm	
Lead Wire	Three (3) wire construction on cable, silver tinned copper leads, Teflon insulated	
Sheath	0.188" (4.78mm) OD, 316 stainless steel tube, closed on one end, 2" (50.8mm) long	
Insulation	RTD element mounted on cable; insulated and backfilled with MGO 99.4% purity powder	
Cable Length	Probe: 14" (4.3m); Smart-Cable: 33" (838mm)	
<b>PT100 Sensor Drawing Specifications</b>		
		
<b>Smart-Cable 3-wire Connection</b>		
		
<b>PT100 Sensor with Smart-Cable</b>		
		

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