TECHNICAL DATA

Fluke 2600A-101 Sprt Probe

Key features

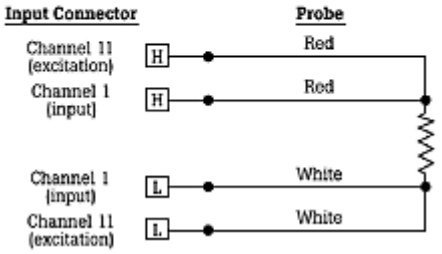
- The 2600A-101 is a precision four-wire, 100 Ohm SPRT (Secondary Platinum Resistance Thermometer) probe that have been designed and tested to meet the precision required as a secondary reference standard.

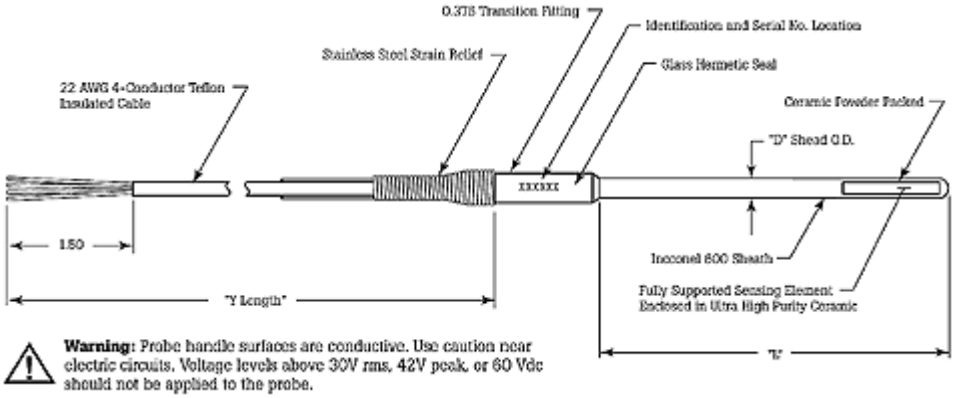
Product overview: Fluke 2600A-101 Sprt Probe

Secondary Platinum Resistance Thermometer Probe
The 2600A-101 is a precision four-wire, 100 Ohm SPRT (Secondary Platinium Resistance Thermometer) probe that have been designed and tested to meet the precision required as a secondary reference standard. The 2600A-101 has stripped leads suitable for connection to any Fluke data acquisition product or other screw terminal connector. This probe comes with calibration certificates and data for -200 to 6600°C.

Probe hook up diagram:
The probe connects to channel 1(input) and 11(excitation) on the Hydra input connector.

Channel	Terminal	
	H	L
Ch #11	Red	White
Ch #1	Red	White





Warning: Probe handle surfaces are conductive. Use caution near electric circuits. Voltage levels above 30V rms, 42 V peak, or 60 V dc should not be applied to the probe.

Specifications: Fluke 2600A-101 Sprt Probe

General Specifications	
Use Temperature	**200 °C to 660 °C**
Stability	**Typical draft < 0.01°C after 100 times from 25 to 660 °C**
Calibrated Accuracy	

Temperature	Uncertainty
- 183°C	+/- 0.01°C
0°C	+/- 0.007°C
200°C	+/- 0.024°C
75%°C	+/- 0.033°C
660 °C	+/- 0.050 °C

Performance Specifications (nominal)	**Ice point resistance:**	**100 Ω ± 0.1 Ω**
	Alpha value:	0.00385 ± 0.00001 Ω /Ω /C
	Insulation resistance:	1000 Meg Ω at 100 Vdc at 20°C
		100 Meg Ohms at 100 Vdc at 400°C
	Hysteresis:	0.01°C Max. using 0, 400°C as the end points
	Self heating:	0.02°C / mw in well stirred bath
	Thermoelectric voltage:	When tested in an ice bath, with immersion depth from 4 to 10 inches (10 to 25 cm), thermo-electric voltage will not exceed 2 µV
	Time constant:	9 seconds typical for 63.2% response to step change
	Long term stability:	Stability at 0°C after exposure to upper temperature limits
Dimensions	**Sheath diameter (D):**	**.25 inches (6.3 mm)**
	Length (L):	12 inches (0.3 m)
	Cable length (Y):	6 feet (1.83 m)
	Wire:	22 AWG, PTFE jacketed, rated to 200 C
	Wire terminations:	flying lead; stripped / tinned

Ordering information

2600A-101

SPRT Probe

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