

Series ~~1900~~ & 1901

Digital Temperature Indicators



General Description

Model ~~1900~~ & 1901 Microprocessor based 3 digit “LED” temperature indicators provide a cost effective approach to accurate temperature measurement. Simple adjustments are made via two front panel-mounted pushbuttons. These pushbuttons provide access to “Sp Cal”*, and Alarm Setpoints.

Specifications	MODEL 1900	MODEL 1901
Sensor	Si410 Grouping Diode	Si410 Grouping Diode
Sensor Excitation	10 Microamps	10 Microamps
Temperature Range	1.5K – 450K	1.5K – 450K
Resolution	.1K from 1.5K – 99.9K 1K from 100K – 450K	.1K from 1.5K – 99.9K 1K from 100K – 450K
Accuracy	± .1K from 1.5K – 99.9K ± 1K from 100K – 450K	± .1K from 1.5K – 99.9K ± 1K from 100K – 450K
Power	110 or 220 Vac/9 VDC at 500mA	110 or 220 Vac/9 VDC at 500mA
Alarm Setpoint	Not Available	(2) SPDT 28 VDC relays
RS232C Interface	Not Available	Standard
Analog Output	Not Available	Optional: 0-1 VDC or 0-4 VDC
Dimensions	3.8” W x 1.9” H x 5.8” D (96 x 48 x 147mm)	

*SpCal (single point cal), offsets display at a specific temperature to improve system accuracy.

Connectors Supplied: 5 pin male sensor plug; 110 or 220 VAC Adapter to 9 VDC; RS232C, position RJ modular with 7 foot cable; Analog Out – Mini 2-pin banana jack.