



Series 50, Digital Temperature Indicator

Features

- ✦ No calibration droop
- ✦ 0.5°C indication drift
- ✦ Built in automatic cold junction compensation circuitry
- ✦ Open sensor display indication
- ✦ Wide angle easy-to-read 12.5mm high 7 segment LED display
- ✦ Dimensions : 96H x 96W x 110D mm
48H x 96W x 110D mm
48H x 72W x 110D mm

Options

- ✦ 0.1°C resolutions for RTD input
- ✦ 1inch high 7-segment LED display
- ✦ Universal power input from 90 ~ 265V AC 50/60 Hz

SHIVA CONTROLS & SYSTEMS' Model DI50, digital temperature indicator is designed for maximum versatility at an economical price. These instruments have standard features including automatic cold junction compensation and open sensor indication.

An easy-to-read 7-segment LED display indicates the process temperature.

These are calibrated for either one of Thermocouple or RTD (2-wire or 3-wire). Other calibrations are also available.

Also available Dual Display & Multi-channel Temperature Indicators .

Ask for Large display (2", 4" & 6") systems

Sensor	Standard Calibration Points	Useful range with standard calibration	Accuracy between calibration points
Fe/K (J)	RT, 400	-50 to 450	1%
Cr/Al (K)	RT, 500	-50 to 500	0.8%
Cr/Al (K)	500, 1000	500 1200	0.8%
Pt/Pt-Rh13% (R)	900, 1600	900 to 1600	0.5%
Pt/Pt-Rh10% (S)	900, 1600	900 to 1600	0.5%
Pt-100	100, 400	-100 to 500	0.25%
Pt-100	-100.0, 199.9	-199.9 to 199.9	0.25%

SPECIFICATIONS

Input	: Thermocouple / RTD sensor
Resolution	: 1°C standard, 0.1°C optional for RTD input
Sensor break protection	: Built-in and display reads †
Accuracy	
Measurement	: See the table
Working Range	: See the table
Cold junction compensation	: Automatic
Indication drift	: < 0.5°C, constant after 18 hours (Test condition Ambient 45°C, Cr/Al thermocouple for worst case)
Indication response time	: 200 milli seconds typical
Common mode rejection	: 90 dB @ 50Hz
Input filter cutoff	: 10 KHz
Display	: Easy-to-read 12.5mm high 7-segment LED display
Ambient	
Operating temperature	: 5 to 55°C
Humidity	: 95% RH
Input power	: 230V AC, ±20% @ 50Hz
Dimensions	: 96H x 96W x 110D mm (Overall) : 92H x 92W + 0.0/0.5 mm (Panel cutout) OR : 48H x 96W x 110D mm (Overall) : 44H x 92W + 0.0/0.5 mm (Panel cutout) OR : 48H x 72W x 110D mm (Overall) : 44H x 68W + 0.0/0.5 mm (Panel cutout)

We reserve the right to change the specifications without prior notice.

SHIVA CONTROLS & SYSTEMS,

I 32, Sarita Building, Prabhakar Industrial Complex,
I 02, Western Express Highway, Dahisar East,
MUMBAI 400 068.

Tel: 28488245 TeleFax: 28974837

Email: info@shivacs.co.in / response@shivacontrols.com

www.shivacontrols.com