

HX213 Thermocouple &RTD Calibrator

Summary

HX213 is high performance, digital operation instruments. it is suitable for calibrating thermocouple ,resistance , temperature second instrument in lab and field .



Function

- ◆ Single and double channel MV, Ohm measuring function .
- ◆ Single and double channel Two-wire, Three-wire, Four-wire RTD (PT100, PT10, CU50, CU100) measuring .
- ◆ With cold junction compensation single & double channel thermocouple (S, R, B, K, N, E ,J ,T) measuring function .
- ◆ MV, Ohm output
- ◆ Simulating thermocouple S, R, B, K, N, E, J,T output.
- ◆ Simulating PT100,PT10,CU50,CU100 output

Feature

- ◆ Rugged structure. Small & beautiful
- ◆ Adopting graph (192*64) lattice Liquid crystal display. interface friendly
- ◆ RS232 Communication port with plentiful direction. it could be used together with special software which substitutes for button operation for thermocouple, RTD collecting and output function.
- ◆ AC&DC application and automatic switch.

- ◆ Manual calibration in order to avoiding complex operation.
- ◆ The calibration of all items will work out by key. It do not need any hardware adjustment.
- ◆ Dimension:240mm*260mm*90mm
- ◆ Weight:4kg

Technology specification

Using environment

- ◆ Temperature: 0~50℃
- ◆ Relatively humidity : <95%
- ◆ Barometric pressure : 86~106kPa
- ◆ Power supply: rechargeable battery or AC 220V ± 10%/50Hz

Measuring (environment temperature : 20±5℃)

Signal Type	Range	Resolution (AD)	Accuracy
MV	(-10.000~80.000) mV	0.1uV	±(0.01%RD+0.005%FS)
Two-wire RTD	(0~400.000) Ω	1 mΩ	±(0.02%RD+0.005%FS)
Three-wire RTD	(0~400.000) Ω	1 mΩ	±(0.02%RD+0.005%FS)
Four- wire RTD	(0~400.000) Ω	1 mΩ	±(0.01%RD+0.005%FS)

Output (environment temperature : 20±5℃)

Signal type	Range	Resolution	Accuracy
MV	(-10.000~80.000) mV	1uV	±(0.02%RD+0.005%FS)
Resistance	(0~400.000) Ω	10mΩ	±(0.02%RD+0.005%FS)