DATASHEET

SPMK313A/313B Temperature calibrator, dry block

BCLog-Control

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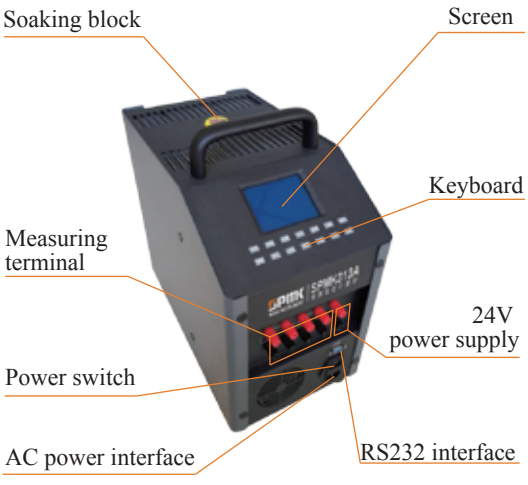
SPMK313A/313B
Temperature Calibrator / Dry Block

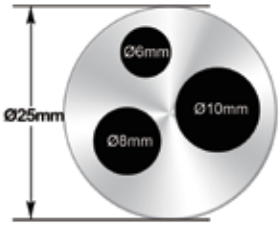


Features

- Measure DC voltage, millivolt voltage, DC current, resistance, switch on and off and other signals;
- It can measure 8 kinds of thermocouples (S, B, R, K, E, J, T, N) and 4 kinds of thermal resistances (Pt100, Pt10, Cu100, Cu50), and provide cold end compensation function, which provides more convenience for users;
- It is convenient and quick to provide 24V power supply when measuring transmitter signal;
- It has dual-channel measurement function, which does not interfere with each other and can be used at the same time;
- The large screen display;
- Six-digit display with resolution of 0.001℃ (adjustable);
- The temperature control resolution and measurement resolution can be set independently.

Basic structure



Diameter of soaking block	
Standard 3 holes	**Other customized holes**
Ø6mm Ø8mm Ø10mm	1.Ø6mm Ø6mm Ø6mm
	2.Ø6mm Ø8mm Ø8mm
	3.Ø6mm Ø6mm Ø10mm
	4.Ø6mm Ø6mm Ø12mm
	5.Ø8mm Ø8mm Ø8mm
	6.Ø6mm Ø8mm
	7.Ø6mm Ø10mm
	8.Ø6mm Ø12mm
	Consult us for other diameters

Electrometric Indicators

Signal	Range	Resolution	Accuracy
Voltage measurement	(-75～75)mV	0.1μV	±(0.01%RD+0.005%FS)
	(-30～30)V	0.1mV	±(0.01%RD+0.005%FS)
Current measurement	(-30～30)mA	0.1μA	±(0.01%RD+0.005%FS)
Resistance 4-wire	(0～400)Ω	1mΩ	±(0.01%RD+0.005%FS)
Switch measurement	Short circuit resistance <100Ω	0.01℃	Reaction time: < 10ms

Basic structure

MODEL	SPMK313A		SPMK313B
Temperature range (Ambient temperature 25℃)	(-30～155)℃	(-40～155)℃ customized	(33～660)℃
Temperature deviation	±0.15℃		±0.5℃
Temperature stabilization time	5 minutes		10 minutes
Display resolution	0.001℃		
Insert depth	170 mm		
Outside diameter of soaking block	Ø25 mm		
Standard block insertion aperture	Ø6, Ø8, Ø10mm / customized		
Temperature unit	℃、℉、K		
Temperature difference between holes	⩽±0.05℃ (Using special soaking block for temperature field test)		
Axial temperature field	Temperature change within 20mm from the bottom of the block insertion≤0.5℃		
Temperature fluctuation	±0.03℃/15min		
Power supply	220VAC 50Hz 0.45kW		220VAC 50Hz 1.2kW
Communication	RS232		
Language	Chinese and English		
Dimensions (including carrying handle)	(320×240×415) mm	(420×240×415) mm	(315×215×390) mm
Weight	15.5 kg	24.5 kg	14 kg
Power	0.45 kW		1.2 kW
Warranty	1 year		

Accessories(included)

Serial number	Description	QTY	Picture
1	Main product	**1 pc**	
2	Power adaptor	**1 pc**	
3	Test leads	**4 sets**	
4	Soaking block picking tool	**1 pc**	
5	User's manual	**1 pc**	
6	Test report	**1 pc**	