MULTIFUNCTION CALIBRATOR

PCE-123



- **4 to 20mA (1kΩ, 24V power)**
- **0 to 100.00 mV / 0 to 1,0000V / 0 to 12,000V**
- **Type-K, J, E, T temperature thermocouple sensors (°C or °F)**
- **Frequency range 1 to 62,500Hz**
- **Basic accuracy 0.025 %**
- **Easy operation via keypad**

The PCE-123 is a network-independent multifunction calibrator used to test and calibrate a variety of parameters of controllers and measuring instruments. Offering a high level of accuracy for an affordable price, this easy-to-use calibrator provides electrical (mA, mV, V and frequency in Hz) and temperature (in °C or °F) output signals, making the calibrator useful in a wide range of applications.

The calibrator also has automatic step and ramp functions as well as the possibility to pre-select the output signal steps (0 ... 100 %) by using the arrow keys and to directly specify an output value (e. g. 13.8 mA). Operation via the keypad is very easy and intuitive. The PCE-123 multifunctional calibrator is an important tool in any electronics workshop as well as in any measuring and control department in trade, industry and automation.

Specification

Direct voltage DC	
Measuring range	0 ... 100 mV
Resolution	0,01 mV
Accuracy	±0.05 % ±30 µV
Direct voltage DC	
Measuring range	0 ... 1 V
Resolution	0,0001 V
Accuracy	±0.05 % ±300 µV
Direct voltage DC	
Measuring range	0 ... 10 V
Resolution	0,001 V
Accuracy	±0.05 % ±3 mV
Direct current DC	
Measuring range	4 ... 20 mA
Resolution	0,001 mA
Accuracy	±0.025 % ±0.003 mA
Direct current DC	
Measuring range	0 ... 20 mA
Resolution	0,001 mA
Accuracy	±0.025 % ±0.003 mA
Direct current DC	
Measuring range	0 ... 24 mA
Resolution	0,001 mA
Accuracy	±0.025 % ±0.003 mA
Type K temperature	
Measuring range	-200 ... 0 °C
Resolution	1 °C
Accuracy	±1.1 °C
Type K temperature	
Measuring range	0 ... 1370 °C
Resolution	1 °C
Accuracy	±0.8 °C
Frequency	
Measuring range	1 ... 125 Hz
Resolution	1 Hz
Accuracy	±0.04 Hz
Frequency	
Measuring range	126 ... 62500 Hz

General technical data	
Menu language	English, English (GB)
Protection class (device)	IP20
Power supply	9 ... 12 V DC
(Rechargeable) battery	6 x 1,5 V AA battery , Alkali-manganese
Capacity	3000 mAh
Operating conditions	0 ... 50 °C , 0 ... 85 % RH
Storage conditions	-20 ... 60 °C , 0 ... 85 % RH
Dimensions (L x W x H)	168 x 88 x 26 mm
Weight	330 g

Accuracy	±0.04 Hz