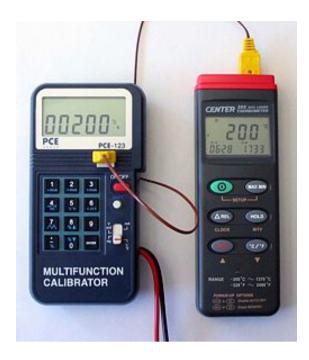


Multifunction Calibrator PCE-123





Digital, electrical, current, voltage or process calibrator, tester or multimeter for simulation and measurement of standardized electrical signals / control signals as well as frequencies and temperature

The PCE-123 is a network-independent multifunction calibrator used to test and calibrate avariety of parameters of controllers and measuring instruments. Offering a highlevel 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 outputsignal steps (0 ... 100 %) by using the arrow keys and to directly specify anoutput 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 anyelectronics workshop as well as in any measuring and control department intrade, industry and automation.

- 4 to 20mA (1k Ω , 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
- Automatic ramp function
- Selectable between 0 to 20mA/ 0 to 24mA
- Input 0 to 100% (mA, mV, V)
- Alarm beep 'open' (mA) or 'short circuit' (mV, V)



Specifications

Ranges

More information

mA DC current (Maximum load at 1 k Ω , powered by 24 V)

Resolution 1µA

Accuracy $\pm 0.025\% \pm 3\mu A$

Alert Beeps when there is a short circuit or output current > 1

4 to 20mA / 0 to 20mA / 0 to 24mA

mΑ

mV current, V DC

(Power 1 mA)

Ranges 0 to 100.00 mV

0 to 10.000 V 0 to 1.0000 V

Resolution 10 μV

1 mV 1.0000 V

Accuracy $\pm 0.05\% \pm 30 \mu V$

 $\pm 0.05\% \pm 3 \text{ mV}$ $\pm 0.05\% \pm 300 \text{ } \mu\text{V}$

Alert Beeps when there is a short circuit or ouput current

>10mV.

Thermocouple types K, J, E, T

(1 kΩ min.)

Ranges K: -200 to 0 °C and 0 to 1370 °C

J: -100 to 0 °C and 0 to 760 °C E: -10 to 0 °C and 0 to 700 °C T: -200 to 0 °C and T: 0 to 400 °C

Resolution 1 °C (across entire range)

Accuracy K: ± 1.1 °C and ± 0.8 °C

J: ± 0.9 °C and ± 0.7 °C E: ± 0.9 °C and ± 0.7 °C T: ± 1.0 °C and ± 0.8 °C

Frequency

Ranges 1 to 125 Hz

Resolution 1 Hz

Accuracy ±0.04 Hz

Selection 604 frequencies

General specifications

Manual

More product info



Similar products



Subject to change

Display 5-digit LCD

Operating conditions 0 to 50 °C; < 85 % r.h.

-20 to 60 °C; < 85 % r.h. Storage conditions

1 9 V battery or 6 x 1.5 V batteries Power

Consumption 60 mA to 180 mA (depending on output)

Battery indicator 5.5 V for 150 mA

Approx. dimensions 88 x 168 x 26 mm

Approx. weight 330 g