

## PCE-123

### Setpoint Device for Simulation

- processes calibrator for any operation
- temperature: K-, J-, E-, T-type sensors (°C and °F)
- standardised signals: 4 ... 20 mA / 0 ... 100 mV / 0 ... 1 V / 0 ... 12 V
- frequency range: 1 ... 62,500 Hz



#### TECHNICAL SPECIFICATIONS

Sensor type	K, J, E, T
Ranges	-200 ... 0 °C & 0 ... +1,370 °C; 4 ... 20 mA / 0 ... 20 mA / 0 ... 24 mA; 0 ... 100.00 mV / ... 10.000 V / ... 1.0000 V 1 ... 125 Hz & 126 ... 62.5 kHz
Resolution	1 °C; 1 µA; 10 µV / 1 mV / 1.0000 V; 1 Hz / from 126 Hz 604 pre-set frequencies
Accuracy	±0.025 % ±3 µA; ±0.05 % ±30 µV / ±3 mV / ±300 µV; ≤1.1 °C (p. sensor type)
Display	LC display
Power supp.	1 x 9 V or 6 x 1.5 V battery pack
Oper. condit.	0 ... +50 °C, <85 % RH
Dimensions	88 x 168 x 26 mm
Weight	330 g

#### INCLUDES

Calibrator, K-type adaptor, pack of batteries, test leads with crocodile clips, carrying case, instruction manual

ITEM NO.	ITEM
K-PCE-123	process calibrator

#### OPTIONAL ACCESSORIES

K-CAL-PCE-123	ISO calibration certificate
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## PCE-789

### Multifunction Calibrator / Simulator

- simulates and measures current, voltage, frequency, temperature (types: K, J, E, T, R, S, N, L, U, B, C)
- integrated function generator
- graphical display with backlight
- data logging function / powered by rechargeable battery
- individually created signal waveforms can be displayed



#### TECHNICAL SPECIFICATIONS

Simulation / generation	
Current	(no charge voltage > 15 V)
Range	-4 ... 24 mA
Resolution	1 µA
Accuracy	±0.03 % +5 dgt
Voltage	(max. 1 mA)
Range	-3 ... 15 V
Resolution	1 mV
Accuracy	±0.1 % +5 dgt
Thermocouples	
Range	depends on type
Resolution	0.1 °C
Accuracy	depends on type
Frequency	
Range	0.3 ... 20,000 Hz
Resolution	0.1 Hz
Accuracy	0.002 ... 2 Hz
Measurement	
Current	
Range	-4 ... 24 mA
Resolution	1 µA
Accuracy	±0.1 % +5 dgt
Voltage	
Range	-3 ... 15 V

Resolution	1 µV
Accuracy	±0.1 % +5 dgt
Thermocouples	
Range	depends on type
Resolution	0.1 °C
Accuracy	depends on type

#### General

Power s.	internal recharge. battery or mains adaptor
Environmental conditions	
Operation	0 ... +50 °C, 85 % RH
Storage	-20 ... +60 °C, 75 % RH
Dimens.	214 x 99 x 56 mm
Weight	650 g

#### INCLUDES

Multifunction calibrator, K-type adaptor, 2 x test leads, 2 x crocodile clips, 2 x measuring tips, software, USB cable, mains adaptor, carrying case, instruction manual

ITEM NO.	ITEM
K-PCE-789	multifunctional calibrator

#### OPTIONAL ACCESSORIES

K-CAL-PCE-789	ISO calibration certificate
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