



# PROVA<sup>®</sup>

## 123 Process Calibrator

- 4-20mA (1K $\Omega$  load, 24V Loop Supply)
- 0-100.00mV, 0-1.0000V, 0-12.000V
- K, J, E, T Type Thermocouples ( $^{\circ}$ C and  $^{\circ}$ F)
- Frequency 1-62500 Hz
- Easy Key-pad Operation, Easy Step, and Auto Ramp



# PROVA<sup>®</sup>

## PROVA 123 Multifunction Calibrator



### Electrical Specifications: (23°C±5°C)

#### mA DC Current:

(1K $\Omega$  Max. Load, 24V Loop Supply)

Range	Resolution	Accuracy
4 - 20mA, 0 - 20mA, 0 -24 mA	1 $\mu$ A	$\pm 0.025\% \pm 3\mu$ A

Beeper warning when output is open and specified output > 1mA

#### mV, V DC Voltage:

(1mA Supply Current)

Range	Resolution	Accuracy
0 - 100.00mV	10 $\mu$ V	$\pm 0.05\% \pm 30\mu$ V
0 - 10.000V	1mV	$\pm 0.05\% \pm 3$ mV
0 - 1.0000V	100 $\mu$ V	$\pm 0.05\% \pm 300\mu$ V

Beeper warning when output is short and specified voltage output > 10mV

#### Frequency:

(1 - 125Hz, 1K $\Omega$  Load Min.)

Range	Resolution	Accuracy
1 - 125 Hz	1 Hz	$\pm 0.04$ Hz

#### K, J, E, T type Thermocouples:

(1°C, 1°F Resolution, 1K $\Omega$  Load Min.)

Range	Accuracy	Range	Accuracy
K: -200 to 0 °C	$\pm 1.1^\circ$ C	K: -328 to 32°F	$\pm 2.0^\circ$ F
K: 0 to 1370 °C	$\pm 0.8^\circ$ C	K: 32 to 2400°F	$\pm 1.5^\circ$ F
J: -100 to 0 °C	$\pm 0.9^\circ$ C	J: -148 to 32°F	$\pm 1.6^\circ$ F
J: 0 to 760 °C	$\pm 0.7^\circ$ C	J: 32 to 1400°F	$\pm 1.2^\circ$ F
E: -100 to 0 °C	$\pm 0.9^\circ$ C	E: -148 to 32°F	$\pm 1.6^\circ$ F
E: 0 to 700 °C	$\pm 0.7^\circ$ C	E: 32 to 1292°F	$\pm 1.2^\circ$ F
T: -200 to 0 °C	$\pm 1.0^\circ$ C	T: -328 to 32°F	$\pm 1.8^\circ$ F
T: 0 to 400 °C	$\pm 0.8^\circ$ C	T: 32 to 752°F	$\pm 1.5^\circ$ F

## General Specifications:

Dimension:	88 x 168 x 26 mm (3.46" x 6.61" x 1.03")
Battery Type:	9V Alkaline Battery
Display:	4+ 5 Digits
Power Consumption:	60mA - 180mA
Operating Temperature:	0°C to 50°C (32°F to 122°F)
Operating Humidity:	less than 85% relative
Storage Temperature:	-20°C to 60°C (-4°F to 140°F)
Storage Humidity:	less than 85% relative
Weight:	330g / 11.63 oz
Accessories:	Carrying case x 1 Users Manual x 1 External Battery Pack: 1.5V AA Batteries x 6 9V Alkaline Battery x 1 Alligator clip x 1 K type thermocouple connector Test leads

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