



PROVA 123

Multifunction Calibrator

Electrical Specifications: (23°C±5°C, 10 minutes after power is on)

mA DC Current:

(1K Ω Max. Load, 24V Loop Supply)

Range	Resolution	Accuracy
4 - 20mA, 0 - 20mA, 0 -24 mA	1 μ A	± 0.025% ±3 μ 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 μ V	± 0.05% ± 30 μ V
0 - 10.000V	1mV	± 0.05% ± 3mV
0 - 1.0000V	100 μ V	± 0.05% ± 300 μ V

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

K, J, E, T type Thermocouples:

(1°C, 1°F Resolution, 1K Ω Load Min.)

Range	Accuracy	Range	Accuracy
K: -200 to -100 °C	± 2.0°C	K: -328 to -148°F	± 3.6°F
K: -100 to 0 °C	± 1.1°C	K: -148 to 32°F	± 1.8°F
K: 0 to 1370 °C	± 0.8°C	K: 32 to 2400°F	± 1.5°F
J: -100 to 0 °C	± 0.9°C	J: -148 to 32°F	± 1.6°F
J: 0 to 760 °C	± 0.7°C	J: 32 to 1400°F	± 1.2°F
E: -100 to 0 °C	± 0.9°C	E: -148 to 32°F	± 1.6°F
E: 0 to 700 °C	± 0.7°C	E: 32 to 1292°F	± 1.2°F
T: -200 to 0 °C	± 1.0°C	T: -328 to 32°F	± 1.8°F
T: 0 to 400 °C	± 0.8°C	T: 32 to 752°F	± 1.5°F

Frequency:

(1 - 125Hz, TTL 0 – 5V, 1K Ω Load Min.)

Range	Resolution	Accuracy
1 - 125 Hz	1 Hz	± 0.04Hz

Available Frequencies

(126 - 62500Hz, TTL 0 - 5V, Accuracy $\pm 0.01\% \pm 0.04\text{Hz}$, $1\text{K}\Omega$ Load Min):

126.00 127.03 128.07 129.13 130.20 131.30 132.41 133.54 134.12 135.28
136.46 137.06 138.27 139.50 140.13 141.40 142.04 143.34 144.00 145.34
146.02 147.40 148.10 149.52 150.24 151.69 152.43 153.18 154.70 155.47

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16666.66 17241.37 17857.14 18518.51 19230.76 20000.00 20833.33 21739.13 22727.27 23809.52
25000.00 26315.78 27777.77 29411.76 31250.00 33333.33 35714.28 38461.53 41666.66 45454.54
50000.00 55555.55 62500.00

General Specifications:

Dimension:	88 x 168 x 26 mm (3.46" x 6.61" x 1.03")
Battery Type:	9V Alkaline Battery
Display:	4 and 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 x 1

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