

PROVA[®]

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	$\pm 0.025\% \pm 3\mu$ 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 μ V	$\pm 0.05\% \pm 30\mu$ V
0 - 10.000V	1mV	$\pm 0.05\% \pm 3$ mV
0 - 1.0000V	100 μ V	$\pm 0.05\% \pm 300\mu$ 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	$\pm 2.0^{\circ}$ C	K: -328 to -148°F	$\pm 3.6^{\circ}$ F
K: -100 to 0 °C	$\pm 1.1^{\circ}$ C	K: -148 to 32°F	$\pm 1.8^{\circ}$ 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

Frequency:

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

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

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

PROVA INSTRUMENTS INC.

