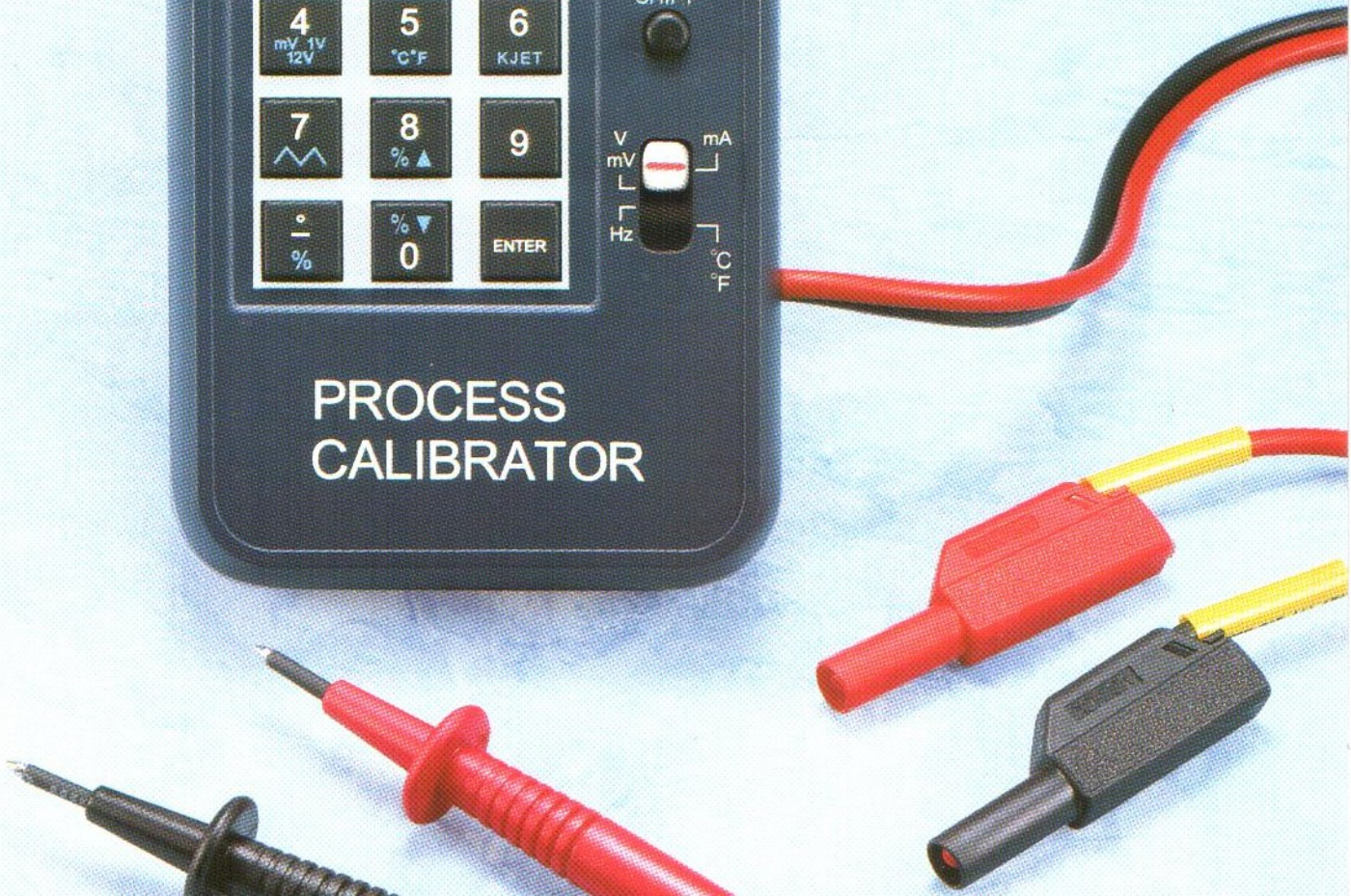
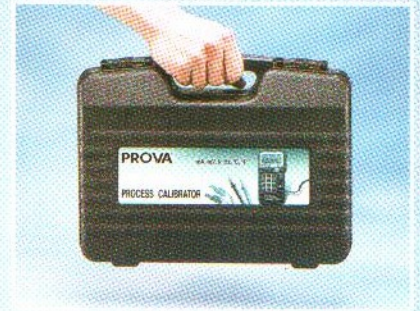


PROVA[®]

123 Process Calibrator

- 4-20mA (1K Ω 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 123 Multifunction Calibrator

Electrical Specifications: (23°C±5°C)

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

Frequency:

(1 - 125Hz, 1K Ω Load Min.)

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

K, J, E, T type Thermocouples:

(1°C, 1°F Resolution, 1K Ω 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 |

PROVA[®] **PROVA INSTRUMENTS INC.**

Add: 6F-2, #129, Lane 235, Pao-Chiao Road,
Shin-Tien, Taipei Hsien 231, Taiwan

Tel: 886-2-89191255

Fax: 886-2-89191489

E-mail: prova@ms3.hinet.net