CALIBRATORS

LOOP CALIBRATOR SOURCE (DCA, DCV FUNCTIONS) Model - KM-CAL-904MK-1

Acc. 0.025%

EN61326-1



CE approved

- **Display :** 5 digits large LCD display.

✳ **FUNCTIONS :**

OUTPUT FUNCTION : (SOURCE)

- **Voltage & Current simulator.**
- **DC CURRENT (1kΩ Max Load, 24V Loop Supply) :**

  0 ~ 4mA / 4 ~ 20mA / 20~ 24mA.
- **Resolution :** 1μA
- **Accuracy :** 0 ~ 4mA : ±(0.025% rdg + 10μA)

  4 ~ 20mA, 20 ~ 24mA : ±(0.025% rdg + 5μA).
- **DC VOLTAGE :** 0 ~ 4V / 4 ~ 20V / 20 ~ 24V.
- **Resolution :** 1mV
- **Accuracy :** 0 ~ 4V : ±(0.05% rdg + 10 mV)

  4 ~ 20V / 20 ~ 24V : ±(0.05% rdg + 5mV).

✳ **ADDITIONAL FUNCTIONS :**

- 4-20 mA (1 kΩ Load, 24 V Loop Output).
- 0.025% Basic Accuracy.
- Auto Ramp and Step functions.
- 0-100% output with percentage step option.
- 0-24 V DC voltage source.
- Open loop and overload buzzer alarm.
- Low battery indication.
- Simple Operation Interface.
- Warning beeper when output is open.
- Power Consumption 150mA at 24V 1kΩ load.

✳ **Power supply :** 9V Alkaline battery.

✳ **Dimension :** Approx. 160 (L) x 100 (W) x 38 (D) mm

✳ **Weight :**Approx. 350 gm. (including battery)

✳ **Accessories :** DC adapter, test leads, carrying case, battery, User manual.

TEMPERATURE CALIBRATOR (SOURCE ONLY) (DCV, OHMS,TC,RTD) Model - KM-CAL-811

NEW

Acc. 0.05%



CE approved

- **Display :** 5 digit Segment code LCD display with white backlight
- **Basic Accuracy :** ± 0.05%

✳ **FUNCTIONS :**

- **DC Voltage range :** 100mV & 1V
- **Resolution :** 0.01mV & 0.0001V
- **Ohms range :** 0.1Ω to 400Ω / 1Ω to 4KΩ
- **Thermocouple :** R, S, K, E, J, T, N, B, A, C, D.
- **Resolution :** 0.1°C (R, S, K, E, J, T, N)
  1°C (B, A, C, D)
- **Thermo-Resistance RTD :**
  Pt100, Pt200, Pt500, Pt1000 & Cu50
- **Resolution :** 0.1°C
- **Maximum applied voltage at output terminal:**
  Approx. 30Vpk
- **Maximum applied current at output terminal:**
  Approx. 25mA
- **Capacitive load :** ≥ 0.01μF (DCV/OHM/TC/RTD)
- **Inductive load :** ≥ 0.01μF 100μH (DCA)
- **Cold Junction Compensation.**

✳ **SAFETY :**

- Electrical Safety EN61010-1:2001
- Electromagnetic compatibility (EMC) : EN61326-1:2006

✳ **ADDITIONAL FUNCTIONS :**

- H/L settings are available for OHM excitation current.
- It has a built-in high-precision temperature sensor for high-precision
- LED Flashlight for lighting.
- Low Battery Indication
- Auto Power Off.

✳ **Power supply :** 3pcs. AA Alkaline batteries (LR6)

✳ **Dimension :**Approx. 180(L) x 90(W) x 47(D)mm (with protector)

✳ **Weight :**Approx. 500 gm. (including battery)

✳ **Accessories :** User Manual, Test lead pair, battery, Thermocouple adapter, Latch Key & Carrying case.

✳ **Optional Accessories :** Magnetic Sling

THERMOCOUPLE CALIBRATOR SOURCE & MEASURE (DCV, TC) Model - KM-CAL-802

Acc. 0.05%



CE approved

This is a Thermocouple "SOURCE" & "MEASURE" Calibrator. It gives output of DC Volts & output for R, S, B, E, K, J, T & N Thermocouples. It measures DC Voltage & also R, S, B, E, K, J, T & N Thermocouples. It has 5 digit LCD display & extremely high accuracy 0.05%.

✳ **Display :** Large 5 digit LCD display.

✳ **Basic Accuracy :** ± 0.05%

✳ **FUNCTIONS :**

- **OUTPUT FUNCTION : (SOURCE)**
  - **DC Voltage :** -10.00~110.00mV / -0.1000~1.1000V
  - **Thermocouple Type :**

    R Type : -40 ~ 1760°C; S Type : -20 ~ 1760°C
    B : 400 ~ 1800°C E : -200.0 ~ 1000.0°C
    K : -200.0 ~ 1370°C J : -200.0 ~ 1200.0°C
    T : -200.0 ~ 400.0°C N : -200.0 ~ 1300.0°C
- **INPUT FUNCTION : (MEASURE)**
  - **DC Voltage DCmV :** -10.00~110.00mV
  - **Thermocouple Type :**

    R : -40°C ~ 1760°C S : -200°C ~ 1760°C
    B : 400°C ~ 1800°C E : -200.0°C ~ 1000.0°C
    K : -200.0°C ~ 1370°C J : -200.0°C ~ 1200.0°C
    T : -200.0°C ~ 400.0°C N : -200.0°C ~ 1300.0°C
  - **Max. Allowable Voltage :** 30V. (within terminals or between terminal & earth ground).

✳ **SAFETY :**

- Complies with IEC1010 (safety standard issued by International Electro Technical Committee) with reference junction compensation for source & measure.

✳ **ADDITIONAL FUNCTIONS :**

- Auto Power Off 15 minutes.
- °C / °F conversion
- **Power Consumption :** about 60mA / 3V.

✳ **Power supply :** 1.5V x 2 AA Alkaline batteries.

✳ **Dimension :** Approx 180(L) x 90(W) x 47(D)mm (with Holster)

✳ **Weight :**Approx. 500 gm. (including battery)

✳ **Accessories :** User Manual, Test lead CF-36, (Clips for probe), Holster & Carrying case.