

KUSAM-MECO

An ISO 9001:2008 Company

VOLTAGE / mA CALIBRATOR

Model KM-CAL-804

The new KUSAM-MECO Volt & milliampere Calibrator Model KM-CAL-804 is a high accuracy (0.05%) Calibrator. It has 5 digit LCD display with high stability. It can be used for calibrating Transmitters, Thermocouples, SCADA systems, Transducers. It also provides loop circuit power 24V.

The max. load is 1kΩ at 20mA range when the power is higher than 6.8V; The max. load is 700Ω at 20mA range when the power is within 5.8V - 6.8V. Temperature Coefficient ± 0.005%, range / °C (5°C -18°C, 28°C - 40°C). It works on 9Volt alkaline battery and battery life is approx 20 hours under the condition of 10mA.

GENERAL SPECIFICATIONS

- * Basic Accuracy : ± 0.05%
- * Display : 5 Digit LCD display.
- * Max. Allowable Voltage : 30V..
- * Operating Temperature Range : 0 ~ 50°C.
- Humidity range : ≤ 80% RH
- * Storage Temperature Range : ≤ -10°C ~ 55°C
- Humidity range : ≤ 90% RH
- * Temperature Coefficient : 0.1 x (dedicated Accuracy) % / °C (5°C ~ 18°C, 28°C ~ 40°C)
- * Power : 1.5V x 2 alkaline batteries.
- * Power Consumption : about 400mA / 3V in condition of 1kΩ load & 20mA output.
- * Dimension : 180 (L) x 90 (W) x 47 (D) mm (with protector)
- * Weight : About 500g

SAFETY :

Complies with IEC1010 (safety standard issued by International Electrician Committee)

ACCESSORIES :

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



Preliminary Data

ELECTRICAL SPECIFICATIONS - KM-CAL-804

OUTPUT FUNCTION

Output	Range	Output Range	Resolution	Accuracy	Remarks
DC Voltage	10V	0.000 ~ 11.000V	0.001V	± 0.05% + 2	Max. Output current 5mA
DC Current	20 mA	0.000 ~ 22.000mA	0.001mA	± 0.05% + 4μA	20mA Max. load 1KΩ
Simulate transmitter (sinking Current)	-20 mA	0.000 ~ -22.000mA	0.001mA	± 0.05% + 4μA	20mA Max. load 1KΩ Note: power supply range : 5 ~ 25VDC
Loop Power	24 V			± 10%	Max. Output current 25mA

All Specifications are subject to change without prior notice.

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