

KUSAM-MECO®

An ISO 9001:2008 Company

LOOP CALIBRATOR

Model KM-CAL-805

GENERAL SPECIFICATIONS

- * **Basic Accuracy** : $\pm 0.05\%$
- * **Display** : 4 Digit LCD display.
- * **Max. Allowable Voltage** : 30V..
- * **Operating Temperature Range** : 0 ~ 50°C.
Humidity range : $\leq 80\%$ RH
- * **Storage Temperature Range** : $\leq -10^{\circ}\text{C} \sim 50^{\circ}\text{C}$
Humidity range : $\leq 90\%$ RH
- * **Temperature Coefficient** : $0.1 \times (\text{designated Accuracy}) \% / ^{\circ}\text{C}$ (5°C ~ 18°C, 28°C ~ 40°C)
- * **Power** : 1.5V x 2 alkaline batteries.
- * **Power Consumption** : about 400mA / 3V in condition of 10mA with 1k Ω load.
- * **Dimension** : 180 (L) x 90 (W) x 47 (D) mm (with holster)
- * **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-805

OUTPUT FUNCTION

Output	Range	Output Range	Resolution	Accuracy	Remarks
DC Current	20 mA	0.000 ~ 22.000mA	0.001mA	$\pm 0.05\%$ set value + 4 μA	Max. load 1K Ω at 20mA
Simu-transmitter (absorption Current)	-20 mA	0.000 ~ -22.000mA	0.001mA	$\pm 0.05\%$ set value + 4 μA	Max. load 1K Ω at 20mA Note: power supply range : 5 ~ 25VDC
Loop Power	24 V			$\pm 10\%$	Max. Output current upto 25mA

INPUT FUNCTION

Input	Range	Output Range	Resolution	Accuracy	Remarks
Voltage	28 V	-0.200 ~ 28.000V	1mV	$\pm 0.02\%$ reading $\pm 2\text{mV}$	Input Resistance about 1M Ω
Current	20 mA	-1.000 ~ 22.000mA	0.001mA	$\pm 0.02\%$ reading $\pm 4\mu\text{A}$	Resistance about 20 Ω
Loop Current	20 mA	0.000 ~ 22.000mA	0.001mA	$\pm 0.02\%$ reading $\pm 4\mu\text{A}$	Providing 24V Loop Power

All Specifications are subject to change without prior notice.

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