

KUSAM-MECO

DIGITAL COATING THICKNESS GAUGE FOR FERROUS BASE MATERIAL MODEL KM 117A

An ISO 9001:2008 Company

INTRODUCTION :

KM 117A is a portable, easy to use digital coating thickness gauge designed for simple one hand operation.

Meter comes with Back-light LCD display, $\mu\text{m}/\text{mils}$ user-selective and Auto Power Off (30 seconds approx.) function.

FEATURES :

- Measures coating thickness on Ferrous base materials.
- Portability and simple one hand operation.
- Select the on-line display for one off MAX/MIN/MAX-MIN/AVG function.
- Fast one point calibration for frequent measuring thickness use.
- 2-point calibration for normal use.
- Auto-power off.
- LED Back-light & LCD display Reverse for easy reading.
- Data logging function capacity up to 255 samples.
- Warning beeper triggers by Hi/Lo limit settings.
- $\mu\text{m}/\text{mils}$ user-selective.
- Inch & Metric measurement options.
- Zeroing Plate & Standard Coating Plate.
- Attached with carrying strap.

GENERAL SPECIFICATIONS :

* **Detectable Substrate Material :** Ferrous metal (iron, steel).

* **Thickness Range :** 0 ~ 80.0mils (0 ~ 2000 μm).

* **Display Resolution :** 0.1mils/1 μm .

* **ACCURACY :**

<u>KM 117A</u>	<u>Ferrous :</u>
	$\pm 4\text{dgts}$ on 0 to 7.8mils
	$\pm(3\%+4\text{dgts})$ on 7.9mils to 39.0mils
	$\pm(5\%+4\text{dgts})$ on 39.1mils to 80mils
	$\pm 10\text{dgts}$ on 0 to 199 μm
	$\pm(3\%+10\text{dgts})$ on 200 μm to 1000 μm
	$\pm(5\%+4\text{dgts})$ on 1001 μm to 1999 μm

Response Time : 1 second

* **Operating Environment :** 0°C to 50°C (32°F to 122°F) at < 75% RH

* **Relative Humidity :** Maximum relative humidity 80% for temperature up to 60°C decreasing linearly to 75% relative humidity at 50°C

* **Storage Temperature :** -20°C ~ 60°C (-4°F to 140°F), <80% R.H. (with battery removed)

* **Temperature Coefficient :** Nominal 0.1 x (specified accuracy) / °C @ (<18°C or >28°C)

* **Stand by Consuming Current :** < 6 μA

* **Power Supply :** Standard 1.5V AAA Size Battery X 2

* **Dimension :** 105(H) x 55(W) x 27(D)mm

* **Weight :** approx 80 g (including battery).

ACCESSORIES :

Users Manual, Battery & carrying case.



Preliminary Data

All Specifications are subject to change without prior notice

KUSAM-MECO

An ISO 9001:2008 Company

G-17, Bharat Industrial Estate, T. J. Road, Sewree (W), Mumbai - 400 015. INDIA.
Sales Direct.: 022-24156638, **Tel. :** 022-24124540, 24181649, **Fax :** 022-24149659
Email : kusam_meco@vsnl.net, **Website :** www.kusamelectrical.com