



An ISO 9001:2008 Company

# DIGITAL COATING THICKNESS GAUGE FOR FERROUS & NON-FERROUS BASE MATERIAL Model KM 118A

## INTRODUCTION :

KM 118A 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 and Non-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.



Preliminary Data

## GENERAL SPECIFICATIONS :

\* **Detectable Substrate Material :** Ferrous metal (iron, steel).  
Non-Ferrous metal (copper, aluminum, zinc, bronze, brass, etc.)

\* **Thickness Range :** 0 ~ 2000mm for Ferrous  
0 ~ 1000mm for Non-Ferrous.

\* **Display Resolution :** 0.1mils/1mm.

### \* ACCURACY :

<b>KM 118A</b>	<b>Ferrous :</b>	
	$\pm 4\text{dgts}$ 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 199mm
	$\pm(3\%+10\text{dgts})$ on 200mm to 1000mm	$\pm(5\%+4\text{dgts})$ on 1001mm to 1999mm

### **Non-ferrous :**

$\pm 4\text{dgts}$ on 0 to 7.8mils	$\pm(3\%+4\text{dgts})$ on 7.9mils to 39.0mils
$\pm 10\text{dgts}$ on 0 to 199mm	$\pm(3\%+10\text{dgts})$ on 200mm to 1000mm

**Response Time :** 1 second

\* **Operating Environment :**  $0^{\circ}\text{C}$  to  $50^{\circ}\text{C}$  ( $32^{\circ}\text{F}$  to  $122^{\circ}\text{F}$ ) at  $< 75\%$  RH

\* **Relative Humidity :** Maximum relative humidity 80% for temperature up to  $60^{\circ}\text{C}$  decreasing linearly to 75% relative humidity at  $50^{\circ}\text{C}$

\* **Storage Temperature :**  $-20^{\circ}\text{C}$  ~  $60^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$  to  $140^{\circ}\text{F}$ ),  $< 80\%$  R.H. (with battery removed)

\* **Temperature Coefficient :** Nominal  $0.1 \times$  (specified accuracy) /  $^{\circ}\text{C}$  @ ( $< 18^{\circ}\text{C}$  or  $> 28^{\circ}\text{C}$ )

\* **Stand by Consuming Current :**  $< 6\mu\text{A}$

\* **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.

All Specifications are subject to change without prior notice



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