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, μm/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.
- μm/mils user-selective.
- Inch & Metric measurement options.
- Zeroing Plate & Standard Coating Plate.
- Attached with carrying strap.

NEW

Preliminary Data

GENERAL SPECIFICATIONS :

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

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

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

✶ **ACCURACY :**

KM 117A	Ferrous :
	±4dgts on 0 to 7.8mils
	±(3%+4dgts) on 7.9mils to 39.0mils
	±(5%+4dgts) on 39.1mils to 80mils
	±10dgts on 0 to 199μm
	±(3%+10dgts) on 200μm to 1000μm
	±(5%+4dgts) on 1001μm to 1999μm
	Response Time : 1 second

✶ **Operating Environment :** 0ºC to 50ºC (32ºf to 122ºF) at < 75% RH

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

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

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

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

✶ **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