

INTRODUCTIONS :

This compact gauge can be used for non-destructive coating thickness measurement of non-magnetic coatings, e.g. paint, enamel, chrome on steel, & insulating coatings, e.g. pain & anodizing coatings on non-ferrous metals.

APPLICATION :

This gauge is designed for non-destructive, fast & precise coating thickness measurement. The principal applications lie in the field of corrosion protection. It is ideal for manufacturers & their customers, for offices & specialist advisers, for paint shops & electroplaters, for the chemical, automobile, ship building & aircraft industries & for heavy engineering. It is suitable for laboratory, workshop & outdoor use.

FEATURES :

- 128 * 128 dot matrix LCD display, standard menu operations
- **Two measure mode** : Single & continuous
- **Two group mode** : direct (DIR) & General(GEN), readings will be lost when power off in direct mode, & not be lost in general mode. Readings can be stored for each group.
- Zero point calibration & multi-point calibration (up to 4 points) for each group.
- User can recall, delete specified readings, or delete group readings.
- **Statistics display** : mean, minimum, maximum & standard deviation.
- **Three probe mode** : auto, magnetic & eddy current.
- User can set high or low limit alarm for each group.
- Power off automatically.
- USB interface to data transmission.
- Low battery & Error indication.

GENERAL SPECIFICATIONS :

- **Probe** : Probe F ; Probe N
- **Measuring Principle** : Magnetic induction; Eddy Currents
- **Measuring range** : 0 to 2000 μ m (0 to 78.7mils)
- **Accuracy** : $\pm(2.5\% + 1\mu\text{m})$; $\pm(2.5\% + 0.039\text{mils})$
- **Resolution** : 0 μ m ~ 99.9 μ m(0.1 μ m); 100 μ m ~ 999 μ m(1 μ m)
>1000 μ m(0.01mm)
- **Calibration** : One point to four point calibration, Zero point calibration
- **Data Group** : One direct group (readings not be stored to memory)
Four general groups (max. 320 readings)
NOTE : Each group have individual statistics, alarm
limit settings & calibration
- **Statistics** : No. of readings, mean, minimum, maximum &
standard deviation
- **Units** : μ m, mm, mils
- **Alarm** : User can set the high / low alarm limit
Alarm icon displayed on LCD when over the limit
- **Minimum curvature radius convex** : 5mm
- **Minimum curvature radius concave** : 25mm
- **Minimum measuring area** : Diameter 20mm
- **Minimum thickness of substrate** : 0.2mm 0.05mm
- **Maximum measuring rate** : Two readings per second
- **Operating Temperature** :
0 ~ 50°C (32 ~ 122°F); Humidity:20% ~ 90%RH
- **Storage Temperature** : -10 ~ 60°C (14 ~ 140°F)
- **Computer interface** : Download data via USB
- **Power Supply** : Two 1.5V AAA battery
- **Standard compliance** : CE ROHS FCC ISO2178 ISO2360
- **Dimension** : Approx.110 x 53 x 24mm
- **Weight** : Approx. 80g.

Accessories: User Manual, Battery & Carrying Case

Optional Accessories: Substrate, Standard Foil, CD & USB Cable

All Specifications are subject to change without prior notice



Preliminary Data