Metrix+™
Innovative Excellence

COATING THICKNESS GAUGE

MICROCOAT F

Highly precise for thinner coatings

Measuring principle

This instrument has a unique external probe which uses the principle of electromagnetic induction to measure the thickness of non-magnetic coatings on magnetic substrates, specially designed for thin coatings on small workpieces.



Applications

The Instrument is designed for non-destructively measuring the thickness of thin coatings on ferrous substrates. It can be used to measure thickness of galvanizing layer, lacquer layer, porcelain enamel, phosphide layer, copper tile, etc. It can be used both in engineering fields and laboratories in surface protection and coatings industry.

Features

- Precision measurement of thinner coatings and on smaller workpieces.
- Zero-point calibration and multi-point calibration.
- Single and continuous measuring modes, helpful for curved and tiny objects.
- Metric/ Imperial measuring units (um and mil), auto -power off.

Technical Specifications

Model	*Metrix+* Microcoat F
International Standard	It meets the standards of both ISO 2178 and ISO 2361 as well as DIN, ASTM and BS. Can be used both in laboratory and harsh field conditions.
Measuring principle	Magnetic induction(Ferrous)
Display	4 digits backlit LCD
Measuring range	0 - 200um (0 - 8mils)
Accuracy	±1-3%n or ±2.5um
Resolution	0.1um(0~99.9um); 1um(over 100um)
Minimum curvature radius	Convex: 2mm; Concave: 4mm
Minimum thickness of substrate	0.1mm
Power supply	4 x 1.5V AAA battery
Operation environment	Temperature: 0 ~ 40℃ ; Humidity: 10 ~ 90% RH
Size & Weight	140mm × 72mm × 34mm; 215g(not including batteries)
Standard Accessories	Coating Thickness Gauge, F probe, '0' calibration ferrous block, standard foils, batteries, technical manual, hard carry case.
Optional Accessories	PC interface(cable and software)

Model and Specifications subject to change without notice.