

Coating Thickness Gauge

This precision instrument is designed for non-destructive measurement of coating thickness on various substrates. It features a digital display for easy reading and multiple measurement modes for efficient operation.



ADDITIONAL IMAGES



Overview

Precision Coating Measurement

This coating thickness gauge is a robust, portable instrument designed for non-destructive testing of various coating layers. Featuring a durable metal shell and ruby probe, it offers high reliability for measuring non-magnetic coatings on magnetic substrates and non-conductive coatings on conductive substrates. With advanced statistical functions and optional PC connectivity, it is an essential tool for quality control and inspection in manufacturing and automotive industries.

Technical Specifications

Measuring Range	0-1250 μm (up to 10mm with F10 probe)
Working Principle	Magnetic (FE), Eddy Current (NFE)
Accuracy	$\pm 2\%H + 1 \mu\text{m}$ (H = thickness reading)
Resolution	0.1 μm
Display	128x64 LCD with backlight
Data Storage	5 files x 100 values

Environmental & Physical

Operating Temperature	-10 to 50°C
Storage Temperature	-30 to 70°C
Dimensions	115 x 67 x 31 mm
Weight	340 g
Power Supply	2 x AA batteries

Optional Accessories

Available Probes

Probe Type	Range (mm)	Principle
F1	0-1.25	Magnetic
N1	0-1.25	Eddy current
F10	0-10	Magnetic

Standard Configuration

Included Items

- Main unit
- Probe (Fe or NFe)
- Calibration piece + Zeroing plate (5+1)
- Operating manual
- Warranty card
- Instrument case