

Measuring principle

This instrument has an integrated probe which uses the principle of electromagnetic induction to measure the thickness of non-magnetic coatings on magnetic substrates and eddy current principle to measure thickness of nonconductive coatings on non-magnetic substrates.

Applications

The Instrument is designed for measuring the thickness of paint or galvanized layer on iron and stainless steel surface and measuring the thickness of paint or plastic film on aluminum and copper surfaces.

Features

- Automatic substrate recognition
- On display calibration guide
- Trend graph with alarm limits
- Bluetooth for data acquisition
- Statistics measurement and in-built data storage
- Clear backlit display



Technical Specifications

Model	Metrix+ Coat Gauge Pro
Measuring principle	Magnetic induction(F) & Eddy Current(NF)
Measuring range	0 - 2000um
Accuracy	±(2% + 1um)
Resolution	0.1um (0~100um) 1um (> 100um)
Calibration	Zero point and multi-point calibration
Storage	10*13*10 measurement data
Statistics	Number of Readings, Max, Min, Mean, Sample Standard Deviation, Coefficient of Variation, Number below Limit, Number above Limit
Units	um, mm, mils, inch
Minimum curvature radius	5mm(convex) 25mm(concave)
Minimum measuring area	Diameter 15mm
Minimum thickness of substrate	0.20mm(F) 0.03mm(NF)
Power supply	2 x 1.5V AA battery
Operation environment	Temperature: -10 to 50°C Humidity: 20 ~ 90% RH
Storage environment	Temperature: -20 to 60°C Humidity: 20 ~ 90% RH

Size	146mm × 76mm × 32mm
Material and weight	ABS
Weight	137g (not including batteries)
Standard Accessories	Coating Thickness Gauge, '0' calibration block, standard foils, factory calibration certificate, batteries, technical manual, hard carry case.

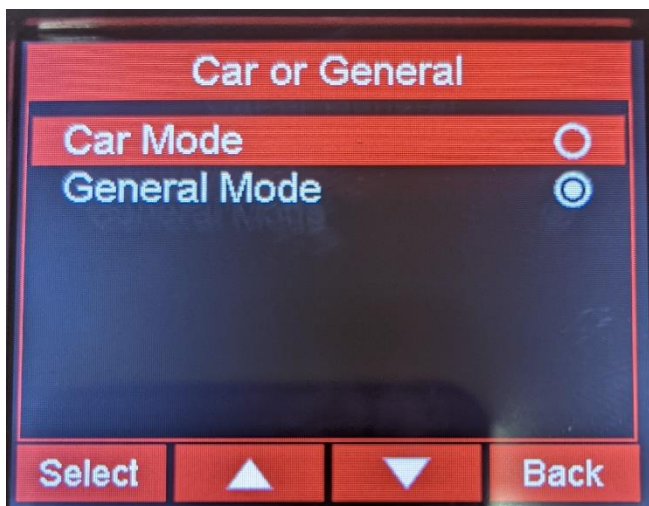
Features pictures



User friendly menu operation



Trend curve



Car mode data storage function



Statistics display