



Dry Film Thickness Gauge(Integrated)

The coating thickness gauge can be used not only to measure non-magnetic coatings such as paint, varnish, enamel, chrome and galvanizing on ferromagnetism metal substrates such as steel or iron, but also measure non-conductive coatings such as paint, anodized layers or ceramic on non-magnetic metal substrates such as copper, aluminum, die cast zinc, brass etc. The gauge automatically identifies the substrate and switch measurement mode. It is widely used in manufacturing, metal processing, chemical industry, commodity inspection and other fields. Standards for the product: DIN EN ISO 2808 Paints and Varnishes- Determination of Film Thickness

Product advantages

- 1.No calibration, just zero adjustment.
- 2.One hand operation, only one button.
- 3.Fast measurement, 0.5s measuring interval.
- 4.Wear-proof ruby probe tip for long-term use.
- 5.The gauge automatically identify the substrate and switch measurement mode rapidly.
- 6."Fe", "NFe", "Fe/NFe" three measurement modes can be set.
- 7.Measuring non-magnetic coatings on steel or iron and measure Non-conductive coatings on non-magnetic metal substrates in one gauge.



8.Thanks to the use of the most-advanced digital probe technology, these sensors are unsusceptible to interference and provide an excellent measuring accuracy. Even variations in temperature will not affect measurement and readings remain stable to ensure a very good reproducibility over the complete measuring range.

Technical Specification

Model	XD-CH-002
Probe tip	Ruby fixed
Measuring principle	Fe: Hall Effect / NFe: Eddy current
Probe type	Built-in integrated probe
Measuring range	0.0-5000μm
Resolution	0.1μm: (0μm - 99.9μm) 1μm:(100μm - 999μm) 0.01mm:(1.00mm - 5.00mm)
Accuracy	≤±(3%H+2μm), H is the standard value
Unit	μm / mil
Measuring interval	0.5s
Minimum measuring area	∅ = 25mm
Minimum curvature	Convex:5mm / Concave:25mm
Minimum substrate thickness	Fe:0.2mm / NFe:0.05mm
Display	128×48 dot matrix LCD
Power supply	2pcs of 1.5V AAA alkaline battery
Range of operation temperature	0°C-50°C
Storage temperature range	-20°C-60°C
Gauge size	101*62*28 mm
Weight(with battery)	79 g

