

Coating Thickness Gauge



CT100 Series

The **CT100** is an easy to use **economical Fe/nFe digital coating thickness gauge** for technicians & engineers which can **measure coatings on both ferrous and non ferrous metals**, using magnetic & eddy current principle.

The **CT100 dry film thickness meter** is based on an internal probe for measuring coating including **non magnetic coatings such as paint, enamel, chrome on steel and insulating coatings on ferrous substrates and non conductive coatings such as paint and anodizing coatings on non ferrous substrates.**

Applications include Coating thickness testing measurement for car paint, electroplating, pipeline anti-corrosion coating, surface anti-corrosion on mechanical equipment and quality control.



Features:

- **Automatic substrate detection** , type (F or N)
- Range 0~2000um, accuracy $\pm (2.5\% \pm 1) \text{um}$
- Unit optional: um, mm and mils
- Easy to use **Touch button Menu interface**
- Easy **zero calibration** and support **multi-point calibration**
- Large LCD display with Auto rotate based on orientation of use
- LCD shows mean, maximum, minimum and standard deviation
- **Data storage** to access measured values
- **USB Connectivity** to download readings

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Specifications:

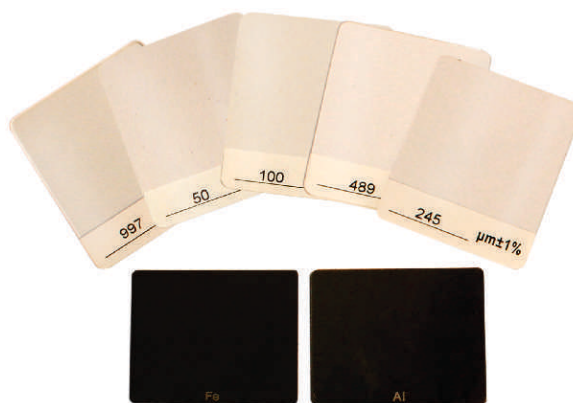
Ordering Code	CT100
Probe	Internal
Probe Type	Fe, nFe (Automatic detection)
Principle	Magnetic induction Eddy currents
Measurement Range	0~2000um
Accuracy	±(2.5%+1um)
Resolution	0~99.9um(0.1m) , 1um(>99.9um)
Units	um, mm and mils
Displayed Values	Mean, Maximum, Minimum and standard deviation
Calibration	Built in zero calibration and supports multi-point calibration
Minimum curvature radius	Convex 5mm, Concave 25mm
Minimum measuring area	20mm Dia
Minimum thickness of substrate	Fe: 0.30mm, nFe: 0.05mm
Display type	128 x 128 monochrome LCD display
Readings memory	320
Interface:	USB
Power supply	Two 1.5V AAA batteries
Operating temperature	-10 to 50°C
Storage temperature	-10 to 50°C
Standards	CE,ROHS,ISO2178,2360,GB/T4956-2003,4957-2003
Probe Dia	ø 9.3mm
Size	113mmX53mmX24mm
Weight	80g



Rubberised Grip design



Integrated Probe with
Trigger Force 0.4~0.8N



5 Calibrations Films &
Base of both Ferrous and
Non Ferrous Type
Provided with Instrument.



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Quality
Management
System

ISO 9001: 2015

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