



## Mitech MCT200 Coating Thickness Gauge



### Product Description

#### Specifications:

Measuring principle: Magnetic induction & Eddy current

Measuring range: (0~1250)  $\mu\text{m}$ , depends on probes. Maximum 10mm for the probe F10. Refer to Appendix.

Low range resolution: 0.1 $\mu\text{m}$

Accuracy:  $\pm (3\% \text{Thickness} + 1) \mu\text{m}$ , depends on probes and conditions

Display: 4 digits LCD with EL backlight

Memory for up to 20 files (up to 50 values for each file) of stored values.

Unit system: Metric ( $\mu\text{m}$ )\Imperial (mil)

Power source: Two "AA" size, 1.5 Volt alkaline batteries. 200 hours typical operating time (EL backlight off).

Communication: USB1.1

Dimensions: 125mm $\times$  67mm $\times$  31 mm

Weight: 340g

### Features

With different external probes, the gauge can be applied to measuring thickness of non-magnetic coating on magnetic metal substrate, as well as non-conductive coating on non-magnetic metal substrate.

Five types of probes (F400, F1, F10, N1, CN02) are available for different application. F10 probe measures up to 10mm.

Two measuring modes: Single or continuous, changeable.

Two calibration methods can be applied to the gauge; And the system error of the probe can be



corrected with the basic probe calibration method.

Measured values and user information are shown on a large, easy-to-read LCD. A display back light ensures easy reading of screen data in poorly-lit conditions.

Measuring status indicator showing the measuring status.

The gauges' user-friendly measuring system permits automatic storage of up to 1000 readings in one memory matrix for later statistical evaluation.

Battery information indicates the rest capacity of the battery.

Auto sleep and auto power off function to conserve battery life.

USB1.1 communication port. Optional software to process the stored data on the PC.

Compact aluminum case, suitable for use under poor working

Key words: NDT, hardness, thickness, detector, leeb, flaw, test, instrument, measure

No.	Item	Quantity	Remarks
1	Main unit	1	
2	Probe	1	F1 or N1
3	Calibration Foils	5 PCS	
Standard 4	Zero plate	1	Iron or Aluminum
Config. 5	Instrument case	1	
6	Manual	1	
7	Alkaline Battery	2 PCS	AA size
8			
Optional 9	Other type of probes		
Config. 10	DataPro software	1	On CD
11	USB cable	1	