

ACT4000 Coating Thickness Gauge



Overview

ACT4000 is a compact, handy pocket gauge. It is designed for non-destructive, fast and precise coating thickness measurement. The principal applications lie in the field of corrosion protection. It is ideal for manufactures and their customers, for offices and specialist advisers, for paint shops and electroplaters, for the chemical, automobile, shipbuilding and aircraft industries and for light and heavy engineering.

Specifications

- Measuring principle: Magnetic induction & Eddy current
- Measuring range: (0 ~ 1250) µm, depends on probes. maximum 10mm for the probe F10. Refer to Appendix.
- Low range resolution: 0.1µm
- Accuracy: $\pm(3\% \text{ Thickness} + 1)$ µm, depends on probes and conditions
- Display: 4 digits LCD with EL backlight
- Memory for up to 495 readings of stored values.
- Unit system: Metric (µm)、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×67mm×31 mm
- Weight: 400g
- Working temperature: -10℃ ~ +50℃;
- Storage temperature: -30℃ ~ +60℃;
- Relative humidity: ≤90%;

Feature

- 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 495 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 memory data on the PC.
- Compact aluminum case, suitable for use under poor working conditions

Configuration

	No.	Item	Quantity	Remarks
Standard Config.	1	Main unit	1	
	2	Probe	1	F1 or N1
	3	Calibration Foils	5 PCS	
	4	Zero plate	1	Iron or Aluminum
	5	Instrument case	1	
	6	Manual	1	
	7	Alkaline Battery	2 PCS	AA size
	8	DataPro software	1	On CD



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	9	USB data cable	1	
Optional Config.	10	Other type of probes		
	11			
	12			

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