

Coating Thickness Gauges TIME®2605 / TIME®2606

Digital coating thickness gauges for the non-destructive measurement of coatings using the magnetic induction method (coatings on iron and steel) and the eddy current method (coatings on non-ferrous metals). Both instruments are technically identical and feature an integrated thermal printer. The TIME®2606 additionally offers a Bluetooth interface for connecting to a smartphone.

Features

- Two measuring principles: magnetic induction (Fe) and eddy current (NFe)
- Two working modes: DIRECT and BATCH, two measuring ways: CONTINUE and SINGLE
- Statistics: mean, maximum, minimum, number of readings and standard deviation
- Memory for 10,000 readings
- Calibration: system error can be corrected by basic calibration
- Alarm function when readings exceed or fall below the preset limits
- Integrated thermal printer for readings and statistics
- Battery indicator and error messages in the display
- Manual or automatic shutdown
- TIME®2606 only: Bluetooth interface to smartphone

Scope of delivery

- Main unit
- Probe (F1.5 or N1.5)
- Substrate
- Calibration foil
- Charger
- Instruction manual

Optional Accessories

- Additional probes (see probe table)

Technical Data

Parameter	TIME®2605	TIME®2606
Measuring principle	Magnetic induction (F) and eddy current (N), depending on probe	
Measuring range	0 – 10,000 µm, depending on probe	
Resolution	0.1 µm / 1 µm, depending on probe	
Tolerance	±(1 % H + 1) µm to ±(1 % H + 5) µm, depending on probe (H = reading)	
Working modes / measuring ways	DIRECT, BATCH / CONTINUE, SINGLE	
Memory	10,000 readings	
Printer	Integrated thermal printer (back side)	
Bluetooth	–	Yes
Power supply	Li battery 1 × 3.7 V, 2200 mAh	
Operating temperature	10 – 30 °C	
Humidity	≤ 75 % RH	
Working environment	No strong magnetic field	
Dimensions	203.4 × 92.1 × 52.1 mm	
Weight	400 g (main unit)	

MESSTECHNIK SaluTron® GmbH
Herstellung und Vertrieb von Messgeräten

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BEIJING TIME HIGH TECHNOLOGY LTD.

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Probes (selectable)

Probe	Principle	Range (µm)	Tolerance (µm)	Resolution (µm)	Min. curvature radius (mm)	Min. area (mm)	Critical thickness (mm)	Size (mm)
F1.5	Magnetic induction	0 – 1500	±(1 % H + 1)	0.1	convex 1.5	Ø 7	0.5	Ø 15 × 103
N1.5	Eddy current	0 – 1500	±(1 % H + 1)	0.1	convex 1.5	Ø 7	0.3	Ø 15 × 103
FN1.5	Both (F/N)	F: 0 – 1500 N: 0 – 1500	±(1 % H + 1)	0.1	convex 1.5	Ø 7	F: 0.5 N: 0.3	Ø 15 × 103
F1.5R	Magnetic induction	0 – 1500	±(1 % H + 1)	0.1	convex 1.5	Ø 7	0.5	Ø 14.5 × 25 × 98.5
FN1.5R	Both (F/N)	F: 0 – 1500 N: 0 – 1500	±(1 % H + 1)	0.1	convex 1.5	Ø 7	F: 0.5 N: 0.3	Ø 14.5 × 25 × 98.5
FN1.5-90°	Both (F/N)	F: 0 – 1500 N: 0 – 1500	±(1 % H + 1)	0.1	–	Ø 7	F: 0.5 N: 0.3	Ø 8 × 10.5 × 198.5
F3.5	Magnetic induction	0 – 3500	±(1 % H + 3)	0.1	convex 5	Ø 10	0.5	Ø 21 × 50
FN3.5	Both (F/N)	F: 0 – 3500 N: 0 – 3000	±(1 % H + 3)	0.1	convex 5	Ø 10	F: 0.5 N: 0.5	Ø 21 × 50
F5	Magnetic induction	0 – 5000	±(1 % H + 3)	1	convex 7	Ø 15	1	Ø 21 × 50
F10	Magnetic induction	0 – 10000	±(1 % H + 5)	1	convex 10	Ø 40	2	Ø 27 × 47.5
F0.4-0°	Magnetic induction	0 – 400	±(1 % H + 1)	0.1	convex 1.5	Ø 3	0.5	Ø 13 × (125–160)
F0.4-45°	Magnetic induction	0 – 400	±(1 % H + 1)	0.1	convex 1.5	Ø 3	0.5	Ø 13 × (120–155)
F0.4-90°	Magnetic induction	0 – 400	±(1 % H + 1)	0.1	convex 1.5	Ø 3	0.5	Ø 13 × (120–155)

Technical changes reserved.

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