

Coating Thickness Gauge TIME®2600

Portable digital coating thickness gauge for the non-destructive measurement of paints and coatings using the magnetic induction method (non-magnetic coatings on iron and steel) and the eddy current method (non-conductive coatings on non-ferrous metals). With integrated printer for readings and statistics, suitable for laboratory and field use.

Features

- Two measuring principles: magnetic induction (Fe) and eddy current (NFe)
- 6 probe types for different applications
- Two working modes: DIRECT and BATCH, two measuring ways: CONTINUE and SINGLE
- Statistics: mean, maximum, minimum, number of readings and standard deviation
- Memory for 640 readings
- Two calibration methods (zero and foil calibration)
- Integrated printer for the statistical values
- Adjustable limits with alarm
- Low battery indication and error alarm
- Backlight for the screen
- Manual or automatic shutdown
- Conforms to DIN, ISO, ASTM and BS

Scope of delivery

- Main unit
- Probe (F1 or N1)
- Substrate
- Calibration foil
- Charger
- Printing paper
- Instruction manual

Optional Accessories

- Additional probes (see probe table)

Technical Data

Parameter	TIME®2600
Measuring principle	Magnetic induction (F) and eddy current (N), depending on probe
Measuring range	Standard probes F1 / N1: 0 – 1250 µm; further probes see probe table
Resolution	0.1 µm (CN02: 1 µm)
Accuracy, one-point calibration	F: ±(3 % H + 1) µm; N: ±(3 % H + 1.5) µm (H = reading)
Accuracy, two-point calibration	F: ±[(1–3) % H + 1] µm; N: ±[(1–3) % H + 1.5] µm
Standards	DIN, ISO, ASTM, BS
Calibration	Zero and foil calibration
Working modes / measuring ways	DIRECT, BATCH / CONTINUE, SINGLE
Statistics	Number of readings, mean, standard deviation, maximum, minimum
Memory	640 readings
Limits	Adjustable, with alarm
Interface	RS232
Printer	Integrated printer
Power supply	NiMH rechargeable battery
Operating environment	0 – 40 °C, 20 – 90 % RH, no strong magnetic field
Dimensions	230 × 86 × 47 mm

MESSTECHNIK SaluTron® GmbH
Herstellung und Vertrieb von Messgeräten

BEIJING TIME VISION AI INSTRUMENT LTD.
BEIJING TIME HIGH TECHNOLOGY LTD.

Salu*Tron* Messtechnik GmbH
D-50226 Frechen / Dr.-Gottfried-Cremer-Allee 30/7
Tel. +49 (0)2234 9999960 / Fax. +49 (0)2234 9999962
www.salutron.de / Email: info@salutron.de

Probes (optional)

Probe	Principle	Range (µm)	Accuracy one-point (µm)	Accuracy two-point (µm)	Resolution (µm)	Min. curvature radius (mm)	Min. area (mm)	Critical thickness (mm)
F400	Magnetic induction	0 – 400	±(3 % H + 1)	±[(1–3) % H + 0.7]	0.1	convex 1	Ø 3	0.2
F1	Magnetic induction	0 – 1250	±(3 % H + 1)	±[(1–3) % H + 1]	0.1	convex 1.5	Ø 7	0.5
F10	Magnetic induction	0 – 10000	–	–	–	10	Ø 40	2
N1	Eddy current	0 – 1250 0 – 40 (chrome on copper)	±(3 % H + 1.5)	±[(1–3) % H + 1.5]	0.1	convex 3	Ø 5	0.3
CN02	Eddy current	10 – 200	±(3 % H + 1)	–	1	flat	Ø 7	unlimited

Technical changes reserved.

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