

TT-270



TT-270 Coating thickness gauge



Features

- The measuring methods of the TT-270 are magnetic induction (F) and eddy current (N).
When a F series probe is connected, the unit measures non-magnetic coating on ferro substrates, when a N series probe is connected, the unit measures non-conductive coating on non-ferro substrates
- Several types of probes are available for various applications:
F400, F1, F1/90, F10, N1, CN02
- Measurement modes: continuous / single
- Automatic calculation: Mean values / Max. values / Min. values / No. of test, S.Dev.
- Memory for maximum 640 readings
- Working modes: direct mode (DIRECT) and Batch mode (APPL)
- With backlight display
- Integrated printer
- Battery low indication
- Switch off modes: manual and auto

Technical specifications

Measuring range	Refer to the table below
Probes available	F400, F1, F1/90, F10, N1, CN02
Tolerance	Refer to the table below
Minimum resolution	Refer to the table below
Measuring condition	Refer to the table below
Operation language	English
Standards	DIN, ISO, ASTM, BS
Calibration	Zero and foil calibration
Statistics	Maximum and minimum, mean, standard deviation of 3000 readings, number of measurements
Data memory	640 readings
Limits	Min-max with alarm
Interface	RS-232
Working temperature	-5°C - 40°C
Humidity	20%-90%
Power supply	NiMH rechargeable batteries 1.25V
Dimensions	230mm × 86mm × 47mm
Weight	Approx. 530gr

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Standard delivery

- Controller unit & integrated printer
- Probe F1 or N1
- Charger
- Substrate & calibration foil set
- Printer paper
- Manual
- INNOVATEST® certificate

Optional accessories

- Several probes for different applications

Optional probes/technical specifications

Probe model	F400	F1	F1/90°	F10	N1	CN02
Operating principle	Magnetic induction	Magnetic induction	Magnetic induction	Magnetic induction	Eddy current	Eddy current
Measuring range (μm)	0-400	0-1250	0-1250	0-10000	0 to 1250 μm 0 to 40 μm (for chromeplate on copper)	10~200
Low range resolution (μm)	0.1	0.1	0.1	10	0.1	1
Accuracy						
One-point calibration (μm)	±(3%H+1)	±(3%H+1)	±(3%H+1)	±(3%H+10)	±(3%H+1.5)	±(3%H+1)
Two-point calibration (μm)	±[(1~3)H%+0.7]	±[(1~3)H%+1]	±[(1~3)H%+1]	±[(1~3)H%+10]	±[(1~3)H%+1.5]	-
Measuring conditions						
Min curvature of the min area (mm)	Convex 1	1.5	Flatten	10	3	Flatten
Min diameter of the area (mm)	φ3	φ7	φ7	φ40	φ5	φ7
Critical thickness of substrate (mm)	0.2	0.5	0.5	2	0.3	unlimited

Order details

- TT-270 F** Coating thickness gauge with integrated printer and F1 probe
TT-270 N Coating thickness gauge with integrated printer and N1 probe
TT-270 FN Coating thickness gauge with integrated printer and FN probe

Kapcsolat, bővebb információ:



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