TT270


DIR
N1
131µm
COATING THICKNESS GAUGE
STATS
ZERO
FEED
MENU
ESC
PRINT
ON/OFF

Features:

- Two measuring methods: magnetic induction (F) and eddy current (N). When F probe is equipped, it can measure the non-magnetic coating in magnetism substrate, when N probe is equipped, it measure the non-conductive coating on non-magnetism substrate ***Click here for details***
- 6 types of probes are available for various applications:F400,F1,F1/90,F10,N1,CN02
- 2 measurement modes: continuous / single
- 5 statistical ways: Mean values / Max. values / Min. values / testing numbers.(No.) / standard deviations (S.DeV)
- 640 measured values can be stored
- Integrated with printer for convinient use
- Low battery indication
- 2 switch off modes: manual and auto

6 optional probes available

Technical Specification

Measuring range	Refer to the table below
Probes available	
Tolerance	
Minimum resolution:	
Measuring condition	
Operation language	English
Standards	DIN, ISO, ASTM,BS
Calibration	Zero and foil calibration
Statistics	Number of measurements, mean, standard deviation, maximum and minimum of 3000 readings
Data memory	640 readings
Limits	Adjustable with alarm
Interface	RS-232
Working temperature	0-40℃
power supply	NiMHrechargeable batteries 1.25V
Dimensions	230mm×86mm×47mm
Weight	Approx. 530g

Optional probes and technical specification

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