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## TIME Precision Measuring Instrument

### Coating Thickness Gauge TT260



Coating thickness gauges are essential to check the exact amount of coating done on your product. A less amount of coating means the coating will wear out in the initial use and more coating layers means it will either crack or spread unevenly giving the surface unbalanced look with some part more glossier than other. Coating is done in most cases to provide a anti corrosion for your products. This instrument checks the layers of coatings on ferrous and non ferrous using eddy and magnetic current. F probe means on ferrous and Probe N is for non ferrous applications. Probe F works on magnetic induction principals and is commonly used for checking insulated coating like paint, enamel and non ferrous coating on ferrous objects. Probe N measures insulating coating on non-ferrous by eddy current method.

#### Features:

- Two measuring methods: magnetic induction (F) and eddy current (N)
- 6 types of probes are available for various applications
- 2 measurement modes: continuous / single
- 5 statistical ways: Mean values / Max. values / Min. values / testing numbers. (NO.) standard deviations (S.Dev)
- memory up to 495 readings
- Direct testing mode and block statistic values
- Dataview for connecting with PC is available
- Low battery indication
- 2 switch off modes: manual and auto

#### Optional probes and technical specification:-

Probe model	F400	F1	F1/90°	F10	N1	CN02
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Measuring range [ $\mu\text{m}$ ]	0-400	0-1250		0-10000	1250 $\mu\text{m}$ to 40 $\mu\text{m}$ (for chromeplate on copper)	10 ~ 200	
Low range resolution [ $\mu\text{m}$ ]	0.1			10	0.1	1	
Accuracy	One-point calibration [ $\mu\text{m}$ ]	$\pm (3\%H + 1)$			$\pm (3\%H + 10)$	$\pm (3\%H + 1)$	
	Two-point calibration [ $\mu\text{m}$ ]	$\pm [(1\sim 3)\%H + 0.7]$	$\pm [(1\sim 3)\%H + 1]$		$\pm [(1\sim 3)\%H + 10]$	$\pm [(1\sim 3)\%H + 1.5]$	
Measuring condition	Min curvature of the min area (mm)	Convex 1	1.5	Fatten	10	3	Flatten
	Diameter of the min area (mm)	$\varnothing 3$	$\varnothing 7$		$\varnothing 40$	$\varnothing 5$	$\varnothing 7$
	Critical thickness of substrate (mm)	0.2	0.5		2	0.3	unlimited

### Technical Specification:-

Operation language	English
Standards	DIN, ISO, ASTM, BS
Conditions	Zero and foil calibration
Statistics	Number of measurements, mean, standard deviation, maximum and minimum of 3000 readings
Data memory	495 readings
Limits	Adjustable with alarm
Interface	RS-232
Working temperature	0 - 40°C
Power supply	Nicd rechargeable batteries 1.25V
Dimensions	270mm $\times$ 86mm $\times$ 47mm
Weight	530g

### Standard Delivery

- Main unit 1
- Probe 1
- Charger 1
- Calibration foil set 1
- Substrate 1
- Instruction manual 1
- TIME certificate 1
- Warranty card 1

### Optional Accessory

- 6 optional probes
- PC software Dataview
- Calibration foils in different thickness
- Connecting cable

