TM510FN(CTG510FN) Coating thickness gauge

2 Measuring modes: continuous/single

- 2 Shutdown modes: manual/automatic
- Wide measuring range with 5 probes available (next page)
- Direct testing mode and block statistics mode (APPL/BATCH)
- Direct print out of statistical values
- Dataview to connect with PC
- 500 data can be stored

Technical specifications

Measuring range	0-1250 μ m with standard probe F1.N1 (10000mm max)
Probes available	5 probes available for F (ferrous: on steel/iron) and N (non-ferrous metals)
Tolerance	F1:±(3%H+1) N1.±(3%H+1.5) （H:实际厚度）
Resolution	Alphanumeric with 4 large digits
Operation language	English
Standards	DIN, ISO, ASTM,BS
Min. measuring area	F1:(standard probe)
Min. curvature radius	convex:3mm, concave:50mm
Min. substrate thickness	type F1: 0.5mm, type N1: 50mm
Calibration	Zero and foil calibration
Statistics	Number of measurements, mean, standard deviation, maximum and minimum of 3000 readings
Data memory	495 measuring data
Limits	Adjustable with acoustic alarm
Interface	RS-232
Operating temperature	0-40℃
Power supply	Nicd rechargeable batteries 1.25V
Dimensions	270mm×86mm×47mm
Weight	Approx. 530g

Standard delivery

- Main unit
- Charger
- Instruction manual
- Warranty card
- Probe F1 or N1
- Calibaration Foils
- TMTeck certificate
- Carrying case

Optional accessories

- 5 probes for different applications
- Calibration foils in various thickness
- PC software Dataview for online and data transfer
- Communication cable

Option probes for TM510FN

Type F probe ：

		F400	F1	F1/90°	F10
Measuring Principle		Magnetic method			
Measuring range(μm)		0～400	0～1250		0～10000
Min resolution(μm)		0.1	0.1		10
Tolerance	One-point calibration (μm)	±(2%H+0.7)	±(2%H+1)		±(2%H+10)
	Two-point calibration (μm)	±(1%H+0.7)	±((1%H+1)		±(1%H+10)
Minimum radius of curvature (convex) (mm)		1	1.5	flat	10
Minimum measuring area(mm)		Φ3	Φ7	Φ7	Φ40
Minimum thickness of base material(mm)		0.2	0.5	0.5	2

Type N probe ：

Probe		N400	N1	CN02
Measuring Principle		Eddy current method		
Measuring range (μm)		0～400	0～1250	10～200
Min resolution(μm)		0.1	0.1	1
Tolerance	One-point	±(2%H+0.7)	±(2%H+1.5)	±(2%H+1)
	Two-point calibration	±(1%H+0.7)	±（1%H+1.5）	--------
Minimum radius of curvature (convex) (mm)		1.5	3	flat
Minimum measuring		Φ4	Φ5	Φ7
Minimum thickness of base material(mm)		0.3	0.3	0

Note：H——Measured Value