TM510FN 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)
●Can connect with printer to out of statistical values
●Dataview to connect with PC with USB 2.0 port
●500 datas can be stored

Main features

Can use various probe (F400, F1, F1/90 °, F10, N1, N400, etc.) measurement;
Three calibration methods: one point calibration, two point calibration, the basic calibration;
Display resolution: 0.1 um (measuring range of less than 100 um)
1μ m (range greater than 100 u m)
Have five statistics, data storage 500
There are two working methods: direct ways and means of group
There are two measurements: continuous measurement and a single measurement
There are two shutdown: manual and automatic shutdown shutdown
Can be set Bound: The gauge of the measured value can be automatic alarm and a number of measurements available on the histogram value analysis;
Deleted features: the gross error and error settings can be deleted;
Printing: Print Measurement measurement, statistics, gauges, histogram
A music tone in the operation carried out at any time tips

A power supply under-voltage direct function

An error function

And printers, computer communications (communications software operating environment for the Window operating system) connectivity.

Technical specifications：

Measuring range	0-1250μ with standard probe F1.N1 (10.000mm max)
Probes available	5 probes available for F (ferrous: on steel/iron) and N (non-ferrous metals)
Tolerance	F1:±(1μ+3%H) N1.±(1.5μ+3% H) H: actual thickness tested
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 F: 0.5mm, type N: 50mm
Calibration	Zero and foil calibration
Statistics	Number of measurements, mean, standard deviation, maximum and minimum of 3000readings
Data memory	500 measuring data
Limits	Adjustable with acoustic alarm
Interface	USB 2.0
Operating temperature	0-40℃
power supply	AA size 1.5V
Dimensions	125*67*31mm (main unit)
Weight	345.g

Standard delivery

Main unit	1
Probe F1 or N1	1
Calibration foils	5
Instruction manual	1
Cetificate	1
Warranty card	1
Carrying case	1

Communication cable	1
PC software Dataview	1

Optional accessories

5 probes for different applications

Calibration foils in various thickness

Type F probe ：

Probe		F400	F1	F1/90°	F10
Measuring Principle		Magnetic method			
Measuring range(μm)		0～400um	0～1250 um		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		1	1.5	flat	10

Minimum measuring area(mm)	Φ3	Φ7	Φ7	Φ40
Minimum thickness of base	0.2	0.5	0.5	2

Type N probe ：

Probe		N400	N1	CN02
Measuring Principi e		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	±(1%H+0.7)	±（1%H+1.5）	--------
Minimum radius of curvature		1.5	3	flat
Minimum measuring		Φ4	Φ5	Φ7
Minimum thickness of base		0.3	0.3	0

Note：H——Measured Value