



VERTEX

COATING THICKNESS GAUGE



The instrument is a type of portable measuring gauge, capable of measuring rapidly, nondestructively, and precisely the thickness of coating and cladding material. It is suitable for on site as well as for laboratory uses. Via the using of different probes, many sorts of measuring can be satisfied by the gauge. It can be applied comprehensively to manufacturing, metal processing and chemical profession as well as to commercial inspection. It is indispensable for the major of materials protection.

FEATURES:

- Two thickness measuring methods adopted, the gauge can be applied to thickness measuring of non-magnetic coating on magnetic metal substrate as well as non-conductive coating on non-magnetic metal substrate;
- Multi type probe can be used (F1, F1/90, F10, N1, N1/90°, N10)
- 2 measuring modes are available: continuous measuring mode and single measuring mode (SINGLE)
- 2 operation modes are available: direct mode (DIRECT) and batch mode (A-B)
- 5 statistic values: mean value (MEAN), max. Value (MAX), min. Value (MIN), numbers of measuring (NO.), standard deviation (S.DEV)
- 2 methods can be used to calibrate the gauge, and the system error of the probe can be corrected by use of basic calibrating method
- Storage function: 500 measuring values can be stored
- Deletion function: delete the single questionable data occurring in measuring, as well as all of the data in memory area to perform the new measuring
- Limit can be set: capable of alarming automatically for measuring values out of limit; and a batch of measuring values can be analyzed via histogram
- Buzzing indication in the course of operation
- With the function of error warning, error warning can be carried out through display or buzzing
- Two shut down modes are available: manual shut down mode and automatic shut down mode

SPECIFICATION:

Model	DFT-F	DFT-NF
Substrate Material	Ferrous	Non-Ferrous Non-Magnetic materials
Operating Principle	Magnetic	Eddy current
Coating Material	Non magnetic coating Aluminium, Chromium, Copper, Enamel, rubber, paint etc.	Non-conductive coating Enamel, Rubber, Paint, Plastic etc.
Minimum curvature Radius (mm)	1.5	3
Diameter of Minimum Area (mm)	Ø7	Ø5
Measuring range	0-1250µm, depends on probes, MAX 10mm for the probe F10.	
Working principle	Magnetic & Eddy	
Substrate	FE / NFE base	
Resolution	0.1µm	
Display	128x64 LCD with backlight	
Accuracy	±2%H+1um Note: H is thickness reading	
Memory	5 files x 100 values	
Unit switch	Metric (µm) Imperial (mil)	
Working temperature	Operation Temp.: - 10~50°C Storage Temp.: - 30~70°C	
Power	AA battery 2pcs	
Weight	340g	
Size	147*74*31mm	

Standard Accessories:

	Name	QTY
1	Main unit	1
2	Probe (Fe or NFe)	1
3	Calibration piece + Zeroing plate	5+1
4	AA battery (Non-aviation)	2
5	Operating manual	1
6	Instrument case	1

