DT-159
Professional Coating Thickness Tester

CEM

159 is a 2.4" TFT color LCD display coating thickness tester with temperature and humidity measurement. Dual Technology Features Automatic Selection of Magnetic Induction or Eddy Current Measurement Techniques. The measuring data is easily transfered to PC to edit and store. The LCD screen can auto-rotate with 0°, 90°, 180°, 270°.

Features

Non-magnetic coatings(e.g. paint, zinc)on steel
Insulating coatings(e.g. paint)on no-ferrous metals
No-ferrous metals coatings on insulating substrates
2.4 TFT color LCD display
Temperature , humidity and Dew point temperature measurement
Auto-rotatable screen: 0°, 90°, 180°, 270°
Stability test
Continuous test
Set auto power off time.
SSPC mode
Warning with Beeper and Backlight Flash ,3-Color LED indiction
Menu operation system
Working modes: DIRECT , GROUP and SSPC mode
AVG, MAX, MIN, Stand and Deviation(S.DEV) Display
Basic, One point and SSPC mode calibration
Error indication
USB interface
10 levels of LCD lighting adjustable
Language selection: English ,German, Italian,French,Chinese,Japanese

EMC
EN: 61326

Model 159

Specifications

Sensor probe	F	N
Working principle	magnetic induction	Eddy current principle
Measuring range	0~2000um	0~2000um
Guaranteed tolerance (of reading)	(±2%+2)um	(±2%+2)um
Repeatability	(±1%+1)um	(±1%+1)um
Low range Precision	0.1um	0.1um
Minimum curvature radius	1.5mm	3mm
Diameter of Minimum area	7mm	5mm
Basic critical thickness	0.5mm	0.3mm
Temperature range	0 to 50°C/ 32 to 122°F	
Basic accuracy	±1°C/ 1.8°F	
Humidity range	0 to 100%	
Basic accuracy	±3%	

Size(HxWxD): 120mm x 60mm x 40mm
Weight: 120g
Accessories: 2x1.5V "AA" batteries, CD, Calibration Iron, Calibration Aluminum, Precision Standard, gift box with carrying case.
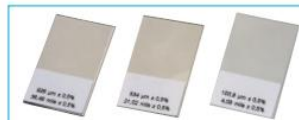
Passing indication

Failed indication

Precision Standard

Calibration Iron

Calibration Aluminum