

LABWAN DFT222 Coating Thickness Gauge

Product Description

The LABWAN DFT222 Coating Thickness Gauge is a compact coating thickness measurement instrument featuring magnetic induction and eddy current measuring principles. It provides single and continuous measurement modes, zero-point and multi-point calibration, data storage, statistical analysis, alarm limits, and USB data download.

Key Features

- 128*128 dot matrix LCD display, standard menu operations.
- Two measure mode: single and continuous.
- Two group mode: direct (DIR) and general (GEN), readings will be lost when power off in direct mode, and not be lost in general mode. 80 readings can be stored for each group.
- Zero point calibration and multi-point calibration (up to 4 points) for each group.
- User can recall, delete specified readings, or delete group readings.
- Statistics display: Mean minimum, maximum and standard deviation.
- Three probe mode: auto, magnetic and eddy current.
- User can set high or low limit alarm for each group.
- Power off automatically.



Specification	Details
Product Name	Coating Thickness Gauge
Model Number	DFT222
Measuring principle	Magnetic induction (F) ; Eddy Currents (NF)
Measuring Range	0 to 2000µm (0 to 78.7mils)
Accuracy	± (2.5%+1µm) ±(2.5%+0.039mils)
Resolution	0µm~99.9µm (0.1µm) 100µm~999µm (1µm) >1000µm (0.01mm)
Calibration	One point to four point calibration, zero point calibration
Data group	One direct group (readings not be stored to memory) Four general group (readings will be stored automatically) NOTE: each group have individual statistics, alarm limit settings and calibration
Statistics	No. of readings, mean, minimum, maximum and standard deviation
Units	µm, mm, mils
Alarm	User can set the high/low alarm limit. Alarm icon displayed on LCD when over the limit
Minimum curvature radius convex	5mm
Minimum curvature radius concave	25mm
Minimum measuring area	Diameter 20mm
Minimum thickness of substrate	0.2mm (F) ; 0.2mm (NF)
Maximum measuring rate	Two readings per second
Computer interface	Download data via USB
Power supply	Two 1.5V AAA battery
Operation environment	Temperature: 0 to 50°C (32 to 122°F) ; humidity: 20% to 90%rh
Storage environment	Temperature: -10 to 60°C (14 to 140°F)
Standard Compliance	CE, ROHS, FCC, ISO2178, ISO2360
Size	110mm x 53mm x 24mm (4.33" x 2.09" x 0.94")
Case Material	ABS ; 92g (3.24 oz)
Standard Accessories	Coating Thickness Gauge, 'O' calibration block, Standard foil, USB cable, Two 1.5V AAA battery, Technical manual.

Applications & Uses

- Coating Thickness Inspection
- Paint & Surface Coating Measurement
- Industrial Quality Control
- Surface Inspection & Maintenance

Standard Accessories

- Coating Thickness Gauge
- 'O' calibration block
- Standard foil
- USB cable
- Two 1.5V AAA battery
- Technical manual.