REED INSTRUMENTS

Coating Thickness Gauge
Model R7800

Features

- Automatically detects ferrous and non-ferrous substrates
- Easy-to-read color LCD display
- 360° screen rotation allows users to view measured readings from any angle
- Durable gauge and probe construction
- Zero and two-point calibration ensures measurement accuracy
- Single or multi-point mode allows a user to set tolerances and quickly identify whether a coating passes or fails
- Tri-color LEDs quickly indicate when measurements are below (red), above (yellow) or within set parameters (green)
- Internal memory stores up to 500 groups of data
- View stored data, charts or real-time measurement with included software
- Low battery indication and auto shut off
- Includes ferrous substrate, non-ferrous substrate, 5 reference films, USB cable, software, wrist strap, sensor cover, batteries and hard carrying case

Tri-color LEDs quickly indicate when measurements are below (red), above (yellow) or within set parameters (green)

Specifications

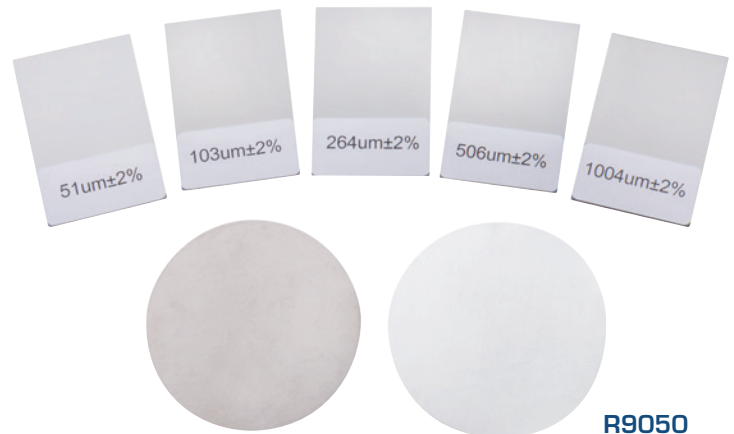|	
Measuring Range:	0 to 1250µm 0.1 to 49.2mils
Accuracy	0 to 1250µm: ±3% +1µm 0 to 49.21mils: ±3% +0.04mils
Resolution:	0 to 99.9µm: 0.1µm 100 to 1250µm: 1µm 0 to 4.99mils: 0.01mils 5.0 to 49.2mils: 0.1mils
Measurement Modes:	Single and Continuous
Display:	4-digit color LCD display
Resolution:	320 x 240 pixels
Backlit Display:	Yes (5 levels)
Min/Max/Average Readings:	Yes
Minimum Curvature Radius:	5mm (196.85mils)
Minimum Area Diameter:	20mm (787.40mils)

REED Instruments

TECHNICAL DATA

360° screen rotation allows users to view measured readings from any angle

51um±2%   103um±2%   264um±2%   506um±2%   1004um±2%

R9050

Minimum Substrate Thickness:	0.5mm (19.69mils)
Auto Shut-Off:	Yes (After 5 minutes)
Low Battery Indicator:	Yes
Power Supply:	2 x AA Batteries
Internal Memory:	Yes (Up to 500 groups)
PC Connectivity:	USB Cable
Software:	Yes
Product Certifications:	CE
Refresh Rate:	0.5 seconds (continuous mode)
Operating Temperature:	32 to 104°F (0 to 40°C)
Storage Temperature:	4 to 140°F (-20 to 60°C)
Operating Humidity Range:	≤80%RH
Dimensions:	5.9 x 2.6 x 1.38" (152 x 65 x 35mm)
Weight:	6.35oz (180g)

Model	Description
R7800	Coating Thickness Gauge
CA-52A	Soft Carrying Case
R8888	Hard Carrying Case
R9050	Coating Thickness Calibration Kit
R7800-NIST	Coating Thickness Gauge with NIST