



elcometer®
inspection equipment

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Elcometer 550
Non - Contact Powder Thickness Gauge

Elcometer 550

Non-Contact Powder Thickness Gauge

STANDARDS:
ASTM D7378-C

Using third generation proven airborne ultrasonic technology, the new Elcometer 550 accurately predicts cured coating thickness by non-contact measurement of coating powders.

Accurately predicts the cured coating thickness within $\pm 5\%$ of the reading or $\pm 5\mu\text{m}$ ($\pm 0.25\text{mils}$) up to $110\mu\text{m}$ (4.4mils)

Proven, third generation, airborne ultrasonic technology

Tough aluminium case, ideal for testing in an industrial environment

Large illuminated colour display with positioning indicator to guide orientation of the sensor probe



Can be used in accordance with ASTM D7378-C

Hand-held sensor allows easy positioning of the gun for fast measurement

Ergonomic gun designed for comfort when taking multiple readings

Laser targeting system to ensure correct distance from surface

Elcometer 550

Non-Contact Powder Thickness Gauge

By carefully controlling the thickness of powder applied to a product, you can minimise your powder usage and ensure the quality of your coating. As contact measurement solutions damage the finish and do not predict the cured coating thickness, measuring the powder thickness pre-cure requires a non-contact solution.

Easy to Use

- Easy to read, large colour display
- Adjustable screen brightness for all test conditions
- Ergonomic probe - ideal for continuous testing
- Can be used straight out of the box with minimal set up time
- On-screen guidance graph and handle LEDs help you orientate the probe sensor for fast, accurate measurements

Reliable

- Fast, accurate and repeatable results
- Can be used in accordance with ASTM D7378-Procedure C
- Proven, third generation, airborne ultrasonic technology
- User-programmable set up to account for varying powder shrinkage rates

Enhanced Technology

- Measure thicknesses from 30 - $110\mu\text{m}$ (1.18 - 4.4mils)
- 1mm^2 (0.04 sq in) measurement area - ideal for flat, curved and small surfaces
- Test coatings on a wide range of substrates, including metal, wood, MDF, plastic and pre-coated surfaces
- Laser targeting to accurately position the gauge at the correct distance from the surface to be measured



STANDARDS:
ASTM D7378 Procedure C

Technical Specification		C
Part Number	Description	Certificate
A550—4	Elcometer 550 Non-Contact Powder Thickness Gauge	•
A550—4L	Elcometer 550 Non-Contact Powder Thickness Gauge with Laser Targeting System	•
Display	3½ inches (90mm) QVGA Colour LCD	
Power Supply	Rechargeable battery, up to 7 hours continuous use	
Measurement Range	30 - $110\mu\text{m}$ (1.18 - 4.4mils)	
Resolution	$1\mu\text{m}$ (0.04mils)	
Measurement Accuracy	$\pm 5\mu\text{m}$ ($\pm 0.25\text{mils}$) or $\pm 5\%$ of the coating thickness, whichever is greater	
Measurement Offset Distance	18mm (0.71") from the coated substrate	
Measurement Area	1mm^2 (0.04sq in)	
Operating Temperature Range	10°C to 35°C (50°F to 95°F)	
Units	μm / mils switchable	
Dimensions	115 x 185 x 35mm (4.6 x 7.4 x 1.4")	Weight 900g (1.9lbs)
Packing List	Elcometer 550 Gauge with rechargeable battery, universal charger unit and cable, sensor gun and lead, shoulder harness, reference block, USB-PC transfer cable, carry case, test certificate and operating instructions	

• Certificate supplied as standard