

elcometer®



**Elcometer 550**  
Non-Contact Powder Thickness Gauge

## 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.

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  $\pm 5\mu\text{m}$  ( $\pm 0.25\text{mils}$ )

Tough aluminium case, ideal for testing in an industrial environment

Can be used in accordance with ASTM D7378-Procedure C

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

Ergonomic gun designed for comfort when taking multiple readings

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





## 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, 3rd Generation, airborne ultrasonic technology
- User-programmable setup to account for varying powder shrinkage rates

## Enhanced Technology

- Measure thicknesses from 30 - 110µm (1.18 - 4.4mils)
- 1mm<sup>2</sup> (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



## Technical Specification

Part Number	Description
<b>A550----</b> 4	Elcometer 550 Non-Contact Powder Thickness Gauge
Display	3½ inches (90mm) QVGA Colour LCD
Power Supply	Rechargeable NiMh battery, up to 7 hours continuous use
Measurement Range	30 - 110µm (1.18 - 4.4mils)
Resolution	1µm (0.04mils)
Measurement Accuracy	±5µm (±0.25mils) or ±5% of the coating thickness, whichever is greater
Measurement Offset Distance	18mm (0.71") from the coated substrate
Measurement Area	1mm <sup>2</sup> (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

Can be used in accordance with:

**ASTM D7378-Procedure C**

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