

elcometer® 550 Elcometer Non-Contact Powder Thickness Gauge

Can be used in accordance with:
ASTM D7378 Procedure C



The **Elcometer 550** offers the user an unrivalled approach to measuring uncured powder thicknesses - **without touching the powder**. Traditional pre-cure powder thickness measurement requires contact with the coating however, the Elcometer 550 - using proven third generation ultrasonic technology - allows coating thickness measurements to be taken before the powder is cured and without touching the surface; allowing accurate prediction of the final coating thickness.

Features

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.

- Accurately predicts the cured coating thickness within $\pm 5\%$ of the reading or $\pm 5\mu\text{m}$
- Ergonomic gun designed for comfort when taking multiple readings
- Hand held sensor allows easy positioning of the gun for fast measurement
- Large illuminated colour display with positioning graph to guide orientation of sensor probe
- Tough aluminium case, ideal for testing in an industrial environment

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.



BAMR (Pty) Ltd, PO Box 23973, Claremont, 7735, South Africa
Ph : 27 (0)21 683 2100, Fax : 27 (0)21 674 1485
Email : sales@bamr.co.za, Web : www.bamr.co.za

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
- 1mm² 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 Specifications

Part Number	Description
A550----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
Resolution	1µm
Measurement Accuracy	±5µm or ±5% of the coating thickness, whichever is greater
Measurement Offset Distance	18mm from the coated substrate
Measurement Area	1mm ²
Operating Temperature Range	10°C to 35°C
Units	µm / mils switchable
Dimensions	115 x 185 x 35mm
Weight	900g

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
- Operating instructions

