

elcometer® **123 Surface Profile Gauge**

Roughness Measurement & Blast Profiles to ASTM-D-4417.B & SABS 772

The proper and effective preparation of a surface prior to coating is essential. Making sure that the correct roughness – or profile – has been generated is essential.

If the profile is too low, the adhesion of the coating to the surface will be reduced. Too high and there is the danger that the profile peaks will remain uncoated – allowing rust spots to occur.



At a glance

- **Analogue surface profile gauge used to measure surface roughness.**
- **Place the gauge on the gloss to zero and then measure your surface.**

Features

This is an easy to use gauge that measures the peak-to-valley height of a surface.

The average of a series of measurements provides an indication of the surface roughness and allows the surfaces to be compared.

- Simple and low cost
- Can be used in accordance with ASTM D 4417 Method B
- Calibration Report included
- Optional 30 deg Tungsten Tip

Technical Specifications

- | | |
|------------------------|-----------------|
| • Dial | Analogue |
| • Range | 0 - 1000mm |
| • Scale Resolution | 2 microns |
| • Dimensions (nominal) | 105 x 55 x 25mm |
| • Weight | 235g |
| • Power | Not Required |

Part Numbers

Elcometer 123

Elcometer 123 Surface Profile Gauge

E123A--M-

Test Method - ASTM D4417 Method B

In summary, ASTM D 4417 Method B requires the mean of ten measurements to be calculated at an agreed series of locations, which characterise the surface.

The gauge should be set to zero on a piece of glass prior to the measurements.