

Surface Profile Gauges

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

The proper and effective preparation of a surface, prior to coating, is essential. The two critical factors are the surface profile and surface cleanliness. Both these parameters affect the adhesion of the coating to the surface.

Insufficient or inadequate surface preparation often leads to the premature failure of a coating. Over preparation, however, can waste time and money.



323-AC & 323-AM Surface Profile Gauge

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
- See Table below for Specs & differences



323-DC Digital Surface Profile Gauge

The 323-DC is a battery operated Digital Surface Profile Gauge which measures the peak-to-valley height of a surface in a similar way to the 323-AC & 323-AM analogue equivalent

- Metric and Imperial Versions
- Increased resolution
- Easy to use
- Immediate value for your profile
- Can be used in accordance with ASTM D 4417 Method B
- See Table below for Specs & differences

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.

Specifications

	Elcometer 123	Elcometer 223	SPG 323AM	SPG 323AC	SPG 323DC
Dial:	Analogue	Digital	Analogue	Analogue	Digital
Manufacturer:	Elcometer	Elcometer	Mitutoyo	Chinese	Chinese
Range:	0 – 1000µm	0 – 1000µm	0 – 1000µm	0 – 1000µm	0 – 10mm
Scale Resolution:	2µm	1µm	1µm	1µm	1µm
Dimensions:	105 x 55 x 25mm	115 x 60 x 55mm	105 x 55 x 25mm	105 x 55 x 25mm	105 x 55 x 25mm
Weight:	235g	265g	235g	235g	235g
Power Supply:	Not required	3v lithium CR2032	Not required	Not required	1.55v Button (SR44)

