

Elcometer 101 Scale 45 Roughness Gauge



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Whereas comparators allow the estimation of surface roughness by both touch and sight, the Elcometer 101 estimates the roughness of iron and steel surfaces.

Its scale indicates the suitability of the surface for paints, metal coatings and hard metal coatings.

- No batteries required
- Simple and easy to use

Surface Profile

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

- *Measures the roughness of iron and steel surfaces.*
- *Displays the substrate's suitability for a coating to be applied.*

Scale: (Divisions: 0 - 10)	Blue Band: Indicates surface is generally accepted as suitable for painting
	Yellow Band: Indicates the surface is suitable for sprayed metal coatings
	Red Band: Indicates the surface is suitable for hard sprayed metal coatings
Dimensions	90 x 5 x 25mm (3.5 x 2 x 1")
Weight	185g (6oz)
Part Number	A101A-45A

Related products



Elcometer 223

The Elcometer 223 is a battery operated digital surface profile gauge which measures the peak-to-valley height of a surface in a similar way to the Elcometer 123 analogue equivalent, but with the added benefit of a direct RS232 output for data logging.



Elcometer 122

The Elcometer 122 testex tape allows the user to measure the peak-to-valley height of the profile and record it. Testex tape consists of foam with a non-compressible backing. The foam side is rubbed into the surface providing a permanent mould of the profile. The Elcometer 124 Thickness Gauge is then used to measure the peak-to-valley height of the profile formed.



Elcometer 125

Surface comparators allow the estimation of surface roughness by both touch and sight. These simple roughness gauges consist of 4 blasted profiles of varying roughness and are available either in a grit blasted or a shot blasted version.



Elcometer 129

Similar to the Elcometer 125, the Elcometer 129 roughness comparators are available in two models: The Elcometer 129 Rubert is available in grit and shot versions whereas the Elcometer 129 Rugotest includes the shot and grit profiles on the same block.



Elcometer 127

These comparators from keane-tator are designed to be used with a magnifier. Consisting of 5 blasted profiles on displayed with the roughness value on each disc. In the middle of the disc there is a hole for the comparison to be undertaken using the magnifier. Sand, shot or grit versions available.



Elcometer 7060

Designed for measurement of machined profiles, these gauges measure the profile by the use of a motorised travel of the sensor which passes over the surface to be tested. A range of different roughness values can be displayed on the LCD.

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