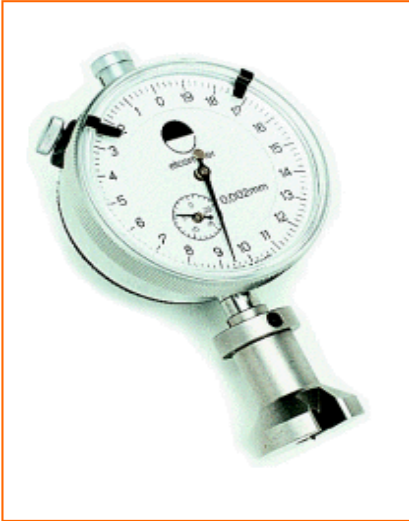


Elcometer 123 Surface Profile Gauge



Elcometer 123 Surface Profile Gauge

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.*

Elcometer 123 Surface Profile Gauge

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

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

- Simple and low cost
- Metric and Imperial Versions

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.

Can be used in accordance with:

ASTM D 4417- B	SABS 772
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	Elcometer 123		Elcometer 223	
Range	0 - 1000mm		0 - 1000mm	
	0 – 40 mils/thou		0 – 40 mils/thou	
Scale Resolution	2mm		1mm	
	0.1 mils/thou		0.1 mils/thou	
Dimensions (nominal)	105 x 55 x 25mm		105 x 55 x 25mm	
	4.1 x 2.2 x 1"		4.1 x 2.2 x 1"	
Weight	235g		365g	
	8oz		9oz	
Power	Not Required		3V Lithium CR2032 Battery	
Part Numbers	Metric	E123A--M-	E223----2	
	Imperial	E123A--E-	Elcometer 223 units are switchable	
Accessories	-		Miniprinter including Printer Lead	X2239964B
	-		Printer Lead	T22312213

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 101/45

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.



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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