

# Elcometer 7060 SURFTEST SJ-201P Roughness Tester



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## Elcometer 7060 SURFTEST SJ-201 Roughness Tester

A portable device operating on the inductive principle to measure the roughness of a wide variety of surfaces.

This instrument consists of a processing unit with digital display of the current parameters, and a mobile measurement head which is fitted with a retractable diamond stylus sensor, (5µm/0.2mils radius), and has a working load of 4mN.

The roughness profiles are determined by motorised travel of the sensor over the surface to be tested.

Each unit is supplied with roughness reference standard, case, tools and mains adapter.

Parameters available include:

- A1, A2, mr Mr1, Mr2, Pc, R3z, Ra, Rk, Rp, Rpk, Rq, Rt, Rvk, Ry, Rz, S, Sm and Vo.

## 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

- Easy to use portable device.
- Digital display.
- Can be connected to a printer or PC.

- RS232 output for statistics printer or PC
- Working range: Ra 0.01 to 75µm (0 to 3mils), Ry/Rz 0.02 to 300µm (0 to 12mils)
- Cut-off lengths: 0.25, 0.8, 2.5mm (0.01, 0.03, 0.1")
- Sampling lengths: 0.25, 0.8, 2.5mm (0.01, 0.03, 0.1")
- Number of sampling spans: x1, x3, or x5x.

Model	Description	Part Number		
		UK 240V	EUR 220V	US 110V
Elcometer 7060	Elcometer 7060 SURFTEST SJ-201P Roughness Tester	K0UK7060M003	K0007060M003	K0US7060M003
Accessories	RS232 Interface Cable	KT007060P103		
	Built-In Battery Pack	KT007060P203		
	Elcometer 7060 Software	KT007060P999		

## Related products



Elcometer 7060/4

The new generation, high performance roughness unit, working on the same principle as the Elcometer 7060 but fitted with a built-in printer and a large LCD touch panel for numeric/graphic display and settings.



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 124

The Elcometer 124 thickness gauge is used to measure the peak-to-valley height of a surface profile formed in the Elcometer 122 Testex Tape.



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.

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