

Elcometer 7060 SURFTEST SJ-201 Roughness Tester



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At a glance

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

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.

FEATURES

- 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
Elcometer 7060	Elcometer 7060 SURFTEST SJ-201 Roughness Tester	K0007060M003
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.

ENGLAND

Elcometer Instruments Ltd
Edge Lane
Manchester M43 6BU

Tel: +44 (0) 161 371 6000
Fax: +44 (0) 161 371 6010
e-mail: sales@elcometer.com
www.elcometer.com

USA

Elcometer Instruments Inc
1893 Rochester Industrial Drive
Rochester Hills Michigan 48309

Tel: +1 248 650 0500
Toll free: 800 521 0635
Fax: +1 248 650 0501
e-mail: inc@elcometer.com
www.elcometer.com

CANADA

Elcometer Canada Ltd
PO Box 622, 401 Ouelette Avenue
Windsor, Ontario N9A 6N4

Tel: +1 248 650 0500
Toll Free: 800 521 0635
Fax: +1 248 650 0501
e-mail: ca_info@elcometer.com
www.elcometer.com

ASIA & THE FAR EAST

Elcometer (Asia) Pte Ltd
896 Dunearn Rd
Sime Darby Centre #3-09
Singapore 589472,
Republic of Singapore

Tel: +65 6462 2822
Fax: +65 6462 2860
e-mail: asia@elcometer.com
www.elcometer.com

BELGIUM

Elcometer SPRL
Rue Vallée 13
B-4681 Hermalle /s Ardenteau

Tel: +32 (0)4 379 96 10
Fax: +32 (0)4 374 06 03
e-mail: be_info@elcometer.be
www.elcometer.be

FRANCE

Elcometer SARL
BP 8-Bou
60 Rue de la Petite Levée
45430 Chécy

Tel: +33 (0)2 38 86 33 44
Fax: +33 (0)2 38 91 37 66
e-mail: fr_info@elcometer.fr
www.elcometer.fr

GERMANY

Elcometer Instruments GmbH
Himmlingstraße 18
D-73434 Aalen

Tel: +49 (0) 7366 91 92 83
Fax: +49 (0) 7366 91 92 86
e-mail: de_info@elcometer.de
www.elcometer.de