Zehntner Glossmeter Live

ZGM 1120

Reliable and proven gloss measuring technology

Reliability

The proven Zehntner Glossmeter Technology in a robust and compact aluminum housing gives you a reliable instrument for your daily quality control tasks.

Ease of use

Due to its small size and various versions the instrument can be used in various applications. Even on curved surfaces and confined spaces.

User experience

Due to its ease of use and the flexible Glosstools Software, the instrument is ready to use quickly and allows you to easily perform calibration and measurements.

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Measurement parameters

Geometries	1-angle: 60° 2-angle: 20° and 60° 3-angle: 20°, 60° and 85°
Measurement modes	Single Continuous (min. interval of 1.5s)
Error compensation	Temperature compensation
Surfaces	All kind of materials such as e.g. paint, coatings, plastic and metals
Measurement range	20°: 0 – 2'000 GU 60°: 0 – 1'000 GU
Resolution	0.1 GU
Repeatability	0 - 199.9 GU: ± 0.1GU 200 - 2'000 GU: ± 0.1 %
Reproducibility	0 - 199.9 GU: ± 0.5GU 200 - 2'000 GU: ± 0.4 %
Units	GU, %
Measuring sensor adaption	V(λ)
Measuring area	20°: 4.2 x 2 mm / 0.17 x 0.08 in 60°: 4.7 x 2 mm / 0.19 x 0.08 in 85°: 15 x 2 mm / 0.59 x 0.08 in
Opening area*	20°: 8 x 5 mm / 0.3 x 0.2 in 60°: 8 x 5 mm / 0.3 x 0.2 in 85°: 40 x 6 mm / 1.6 x 0.24 in
Bearing area*	20°: 15.6 x 14.8 mm / 0.61 x 0.58 in 60°: 15.6 x 14.8 mm / 0.61 x 0.58 in 85°: 84 x 14.8 mm / 3.3 x 0.58 in
	*for multi-angle versions please refer to the biggest dimensions

Software

PC Software	GlossTools PC Software for easy control, operation and display.
Languages	English, Chinese, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish
Features	Result display Series statistics Pass/fail threshold values Prompt for calibration Automatic standard recognition
Reporting features	Reporting export to PDF

Contact Information

HQ	Proceq SA Ringstrasse 2 CH-8603 Schwerzenbach Tel: +41 43 355 38 00
Regional Contacts	www.proceq.com/contact/proceq-network

Device parameters

Connectivity	USB Mini-B RS232
Dimensions*	20°: 78 x 56 x 15 mm / 3.1 x 2.2 x 0.6 in 60°: 88 x 56 x 15 mm / 3.5 x 2.2 x 0.6 in 85°: 99 x 56 x 15 mm / 3.9 x 2.2 x 0.6 in
Weight	1-angle: 76 - 109 g / 2.7 – 3.8 oz 2-angle: 96 g / 3.4 oz 3-angle: 120 g / 4.2 oz
Standards compliance	ASTM D523 ASTM D2457 BS 3900-D6 ISO 2813 GB/T 9754-2007 JIS Z 8741
	*for multi-angle versions please refer to the biggest dimensions

Operating parameters

Power Supply	USB-powered
Operating temperature	5 to 40° C (41 to 104 °F)
Operating humidity	<85% rH, non-condensing

Ordering Information

42010200	ZGM 1120 Glossmeter 60°
42010201	ZGM 1120 Glossmeter 20° and 60°
42010202	ZGM 1120 Glossmeter 20°, 60° and 85°
42010215	ZGM 1120-RS232 Glossmeter 60° with 1 mm measuring distance
42010220	ZGM 1120-RS232 Glossmeter 60° with 1 mm measuring distance, measuring area Ø 1.9 mm

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