Zehntner Glossmeter Live

ZG8000

Optical quality assurance of surfaces using gloss measuring technology

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Universal

One device, working as standalone, connected, or inline production - even contactless. Peace of mind thanks to the Swiss Made accuracy and standards compliance, whether in your hand or on a robot.

Ultraportability

Tackle any quality assurance challenge with the most compact and ultralight Live glossmeter ever made. Measure tight, curved spaces, and in all orientations with ease, thanks to its ergonomic design and tiny bearing area.

Digital

Intelligent software lets you annotate measurements with voice, photos, and comments. Generate reports and share them instantly with coworkers and customers. Access your data from anywhere, anytime.

Zehntner ZG8000

Measurement parameters

Geometries	20° and 60°, Haze
Measurement modes	Single Continuous Scan
Measurement configurations	Contact measurements: with mounted nose Contactless measurements: without nose having measuring distance of 5 mm / 0.2 in
Error compensation	Stray light compensation, Advanced Temperature compensation
Measurement Positioning	Positioning Laser Viewing Window
Surfaces	All kind of materials such as e.g. coatings, plastic and metals
Measurement range	20°: 0 – 2'000 GU 60°: 0 – 1'000 GU H : 0 – 1'000 HU
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 %
Measurements speed	Up to 14 measurements per second
Units	GU, %
Measuring sensor adaption	$V(\lambda)$
Measuring area	20°: 3.5 x 4.5 mm / 0.14 x 0.18 in 60°: 3.5 x 6.0 mm / 0.14 x 0.24 in
Opening area	With nose: 10 x 8 mm / 0.39 x 0.31 in Without nose: 34 x 12 mm / 1.34 x 0.47 in
Bearing area	Nose for flat products: 38 x 24 mm / 1.5 x 0.94 in Nose for small and curved products: 15.5 mm x 13 mm / 0.61 x 0.51 in

Software

Mobile App	Zehntner Live app runs on any Apple® iOS device (iOS 9 and later)
Languages	English, Chinese, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish
Workflow features	Logbook with geolocation, audio, image and text annotations Series statistics Series report Indication of reflection haze H
Visualization features	Bar diagram Pass/fail threshold values per geometry
Verification features	Custom adjust on 2nd calibration standards
Reporting features	Data export to XLS, CSV Reporting export to PDF Logbook
Cloud features	Cloud synchronization Cloud-enabled Logbook Cloud-based report generation

Contact Information

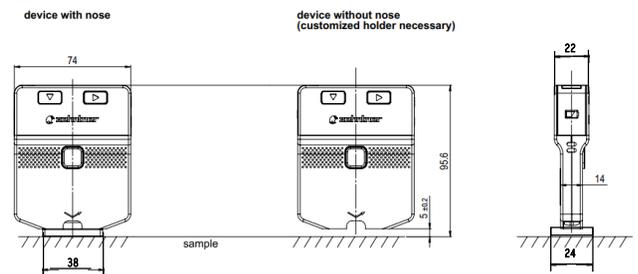|	
HQ	Proceq SA Ringstrasse 2 CH-8603 Schwerzenbach Tel: +41 43 355 38 00
Regional Contacts	www.proceq.com/contact/proceq-network

Device parameters

Connectivity	Bluetooth® LE to Apple® iOS device
Digital display	OLED monochrome, 256 x 64 px, active size 51 x 12 mm / 2.0 x 0.5 in
Dimensions	with nose: 74 x 24 x 96 mm / 2.9 x 0.9 x 3.8 in without nose: 74 x 24 x 91 mm / 2.9 x 0.9 x 3.6 in
Weight	ca. 150 g / 5.3 oz
Standards compliance	ASTM D523 ASTM D2457 BS 3900-D6 ISO 2813 GB/T 9754-2007 JIS Z 8741

Operating parameters

Battery	Removable, 1x AAA, flight-safe
Operating temperature	0 to 40° C (32 to 104 °F)
Operating humidity	<95% rH, non-condensing

Dimensional Drawing

Ordering Information

420 00 500	ZG8000 20°/60° Zehntner Glossmeter Live