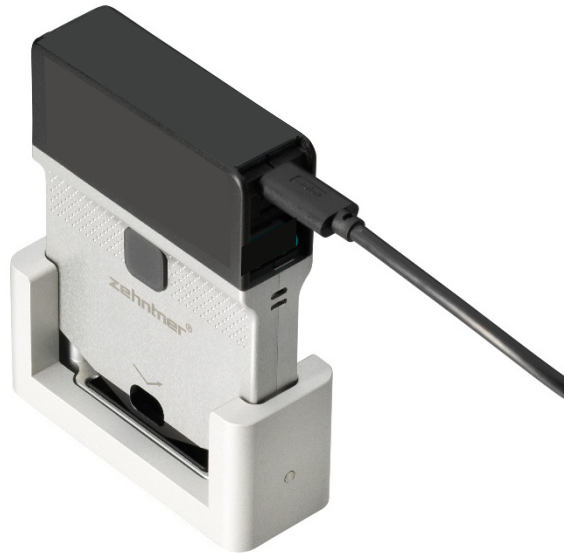


# Zehntner Glossmeter Inline



**ZG8150**

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**Optical quality assurance** of surfaces using gloss measuring technology in your production line

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## Performance

Swiss Made assurance, accuracy, and standards compliance. Fastest instrument in the industry allows the efficient use in production systems.



## Compact Design

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



## Productivity

A simple yet powerful API and a flexible interface allow seamless integration into your production environment and full control over the device. Modularity allows to use the same measurement head for inline as well as near line quality control.

# Zehntner ZG8150

## Measurement parameters

Geometries	Dual 20°/60° and Single 60°
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
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 20 measurements per second Measurement time 50ms /Angle
Units	GU, %
Measuring sensor adaption	V(λ)
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

## Interface

Connectivity	USB and RS232
Protocol	Synchronous ASCII protocol
Protocol features	Single and continuous measurement mode Scan mode Configuration, calibration and control
Verification features	Custom adjust on 2 <sup>nd</sup> calibration standards

## Operating parameters

Power	via USB
Operating temperature	0 to 40° C (32 to 104 °F)
Operating humidity	<95% rH, non-condensing

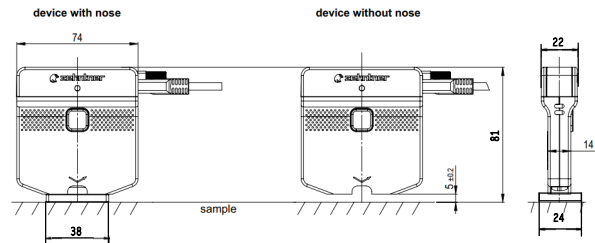
## Contact Information

HQ	Proceq SA Ringstrasse 2 CH-8603 Schwerzenbach Tel: <a href="tel:+41433553800">+41 43 355 38 00</a>
Regional Contacts	<a href="http://www.proceq.com/contact/proceq-network">www.proceq.com/contact/proceq-network</a>

## Device parameters

Dimensions	with nose: 74 x 24 x 81 mm / 2.9 x 0.9 x 3.2 in without nose: 74 x 24 x 76 mm / 2.9 x 0.9 x 3.0 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

## Dimensional Drawing



## Ordering Information

420 00 505	ZG8150 Dual 20°/60° Zehntner Glossmeter Inline
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