



Glossmeter

Portable precision glossmeter for production and laboratory.

Datasheet > GL0010, GL0020, GL0030

The TQC Sheen Gloss meter allows the user to measure fast and simple accurate gloss levels on any flat surface. Whether it be paper, paint, plastic, wood or any other material. No special training or skills are required. Just place the gauge, press the scan button and read the values. Template options can also provide non-flat surfaces and small test areas.

Three models are available:

SOLOGloss®

The 60° single-angle instrument of the TQC Sheen Gloss meter range. Preferred instrument for measurements in the semi-gloss range. Suitable for most applications. Light source and detector are positioned under an angle of 60° of the surface to be measured.

DUOGloss®

The Duoglossmeter is a versatile instrument that combines the 20° and 60° angle into one gloss meter. The 20° angle is ideal for measurements in the high-gloss area while the 60° covers the semi-gloss range. Features

POLYGloss®

The top of the Gloss meter range is the triple angle instrument PolyGloss. Besides a 20° and 60° measuring angle the PolyGloss is also equipped with a 85° measuring angle thus covering the entire gloss-spectrum. The 85° is for low gloss levels (high diffuse reflection) or mat surfaces.*

(Depending on the model the instrument can be set to measure and display just one or several measurement angles simultaneously.)

Features

- ♥ Optical stability
- ♥ LED light source
- ♥ LCD display, extremely high visibility and contrast
- ♥ Ergonomic shape for both right- and left handed users
- ♥ USB C port
- ♥ Integrated calibration
- ♥ Menu driven operation

Standards

ISO 2813; ASTM D523; ASTM D2457; ASTM C584; AS 1580 (602.2); BS 3900 D5; DIN 67530; JIS Z 8741; ISO 7668; MFT 30064 (exception 45° angle)

Look up the appropriate standard for a correct execution of the test.

Scope of supply

- ▶ TQC Sheen Glossmeter (20°/60°/85° depending on your model)
- ▶ 2x AA type batteries
- ▶ Plastic case
- ▶ Screwdriver
- ▶ USB stick with Ideal Finish Analysis software
- ▶ Microfiber cleaning towel
- ▶ USB cable
- ▶ Calibration certificate

Ordering information

- GL0010 – Glossmeter SoloGloss 60°
- GL0020 – Glossmeter DuoGloss 60°/20°
- GL0030 – Glossmeter PolyGloss 60°/20°/85°

Specifications

Applied products

GL0010	: Glossmeter SoloGloss 60°
GL0020	: Glossmeter DuoGloss 60°/20°
GL0030	: Glossmeter PolyGloss 60°/20°/85°

Operational

Calibration Standard	: Integrated tile in the dust cover
Display	: LED display
Light source	: Extreme low drift LED light source
Batches	: max 8
Readings per batch	: max 500, non-dependent of number of angles
Total max Readings	: 2000 readings with time stamp
Scan function	: Yes
Statistics	: Min. / Max. / Avg. / Std.dev / number of measurements
Security	: Password protection
Software	: Ideal Finish Analysis

Dimensions

Size	: 90 x 140 x 45 mm / 3,54 x 5,551 x 1,7" (h x w x d)
Weight	: 398 g

Measurement

Base dimensions	: 5 x 130mm / 1,7x5,12
Orifice size	: 10 x 50mm / 0,4x2,0"
Spot size	: ±5 x 5 mm @ 20° / 0,2x0,2" @ 20° ±20 x 9 mm @ 60° / 0,8x0,35" @ 60° ±40 x 9mm @ 85° / 1,5x0,35" @ 85°
Measurement speed	: 70 measurements per minute at 3 angles simultaneously
Measurement	: 3 geometries
Power saver option	: User selectable
Units	: Gloss Units (GU)
Resolutions	: 0,1 GU (0-100GU) 1GU (>100GU)

	20°	60°	85°
Range	0-2000 GU	0-1000 GU	0-160 GU
Repeatability r*	0,4 GU	0,2 GU	0,2 GU
Reproducibility R*	1,69 GU	1,58 GU	1,88 GU
Bias*	1,2 GU	0,6 GU	1,6 GU

*Acc. ISO 2813 (range 0-100 GU)

Warranty

TQC Sheen will grant a warranty for a period of 12 months for Glossmeter and 12 months for all related equipment from the date of delivery in respect of any evidence of faulty workmanship and materials. TQC Sheen will extend the warranty for Glossmeter to a period of 24 months from the date of delivery if Glossmeter is licensed via the Ideal Finish Analysis software.

Use

No special training or skills are required. Just place the gauge, press the scan button and read the values.

Special care

- ▶ Though robust in design, this instrument is precision-machined. Never drop it or knock it over.
- ▶ Always clean the instrument after use.
- ▶ Clean the instrument using a soft dry cloth. Never clean the instrument by any mechanical means such as a wire brush or abrasive paper. This may cause, just like the use of aggressive cleaning agents, permanent damage.
- ▶ Do not use compressed air to clean the instrument.
- ▶ Always keep the instrument in its case when not in use.
- ▶ We recommend annual calibration.

Safety Precautions

- ▶ Avoid using it in over-high or over-low temperature environment
- ▶ Avoid humidity.

Disclaimer

The right of technical modifications is reserved. Please refer to our terms and conditions as published on our website.