Colo Science
Laboratory & Scientific Equipment

COLO.SCIENCE · TECHNICAL SPECIFICATION

60° GLOSS · ROUTINE CONTROL · BATTERY OR USB

CG60

60° Gloss Meter · 60° · 0–1000 GU · ISO 2813, ASTM D523 · 0.5 s

CG60 60° Gloss Meter measures gloss at 60°, the all-purpose angle that most specifications for coatings, plastics and printed surfaces name. It is a straightforward instrument for routine production and incoming control, with statistics, pass/fail mode and data transfer to the PC.

60° | 60°: 0–1000 GU | ISO 2813, ASTM D523 | Calibration plate in base | Measuring time 0.5 s | Repeatability ±0.2 GU | AA battery or USB | 35 000 readings | Statistics · pass/fail | USB · Bluetooth option

Document type: **Technical Specification Sheet**
Product: **CG60 60° Gloss Meter**
Format: Print layout · A4 landscape

CG60 product page | Spectroscopy & Color — overview | Spectroscopy & Color catalogue | Gloss Measurement Guide | Request quote

ANGLES	RANGE
60°	0–1000 GU
REPEATABILITY	**TIME**
±0.2 GU (0–100 GU)	0.5 s



CG60 · 60° gloss meter

MODEL
CG60

ADDRESS / HQ
Polje ob Sotli 4
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CG60 · product overview

Single-angle 60° gloss meter

CORE TECHNOLOGY

60° measuring angle — 60°, the all-purpose angle of ISO 2813 and ASTM D523.

Range 60°: 0–1000 GU — resolution 0.1 GU.

Calibration standard in the base — recognised automatically at calibration; manual calibration possible.

Standards — ISO 2813, ASTM D523, GB/T 9754; JJG 696.

Repeatability — 0–100 GU: ±0.2 GU · 100–1000 GU: ±0.2 %.

Measuring modes — basic, statistical, continuous and QC (pass/fail) mode; statistics and pass/fail limits.

Hand-held, approx. 300 g — one AA battery or USB power; 35 000 readings.

USB; Bluetooth with optional adapter — PC quality software for reports, tolerances and data export.

PRODUCT HIGHLIGHTS



60° all-purpose angle
The angle quoted in most gloss specifications.



Calibration plate in the base
Automatic recognition of the calibration standard.

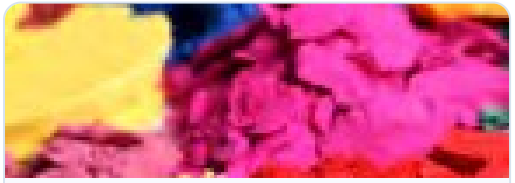


Simple operation
Switch on, calibrate, place on the sample — result in 0.5 s.

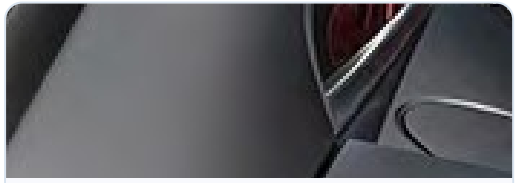


Data and printing
PC software for reports; optional mini printer and Bluetooth.

APPLICATIONS



Paints & coatings



Automotive parts



Plastics & films



Leather & interiors

CG60 · technical parameters

60° · 0–1000 GU · ISO 2813, ASTM D523 · 0.5 s

TECHNICAL PARAMETERS

Measuring angles	60°
Standards	ISO 2813, ASTM D523, GB/T 9754; JJG 696
Measuring range	60°: 0–1000 GU
Resolution	0.1 GU
Repeatability	0–100 GU: ±0.2 GU · 100–1000 GU: ±0.2 %
Measuring time	0.5 s
Measuring modes	Basic, statistical, continuous and QC (pass/fail) mode

Calibration	Calibration plate in the base, recognised automatically; manual calibration possible
Display	2.3" monochrome display, keypad
Data storage	35 000 readings
Interface	USB; Bluetooth with optional adapter
PC software	Quality-control software: reports, tolerances, data export
Power	1 × AA battery (more than 10 000 measurements) or USB power
Auto power-off	Auto power-off, 30–120 s selectable
Dimensions, weight	160 × 52 × 84 mm (L × W × H), approx. 300 g
Instrument languages	English, Chinese
Environment	Operation 0–40 °C, storage −20–50 °C, below 85 % RH non-condensing

CG60 · what it measures and which model

Gloss units, measuring angles and the CG gloss meter series

UNDERSTANDING THE VALUES AND CHOOSING THE MODEL

What the instrument measures

Gloss is the light a surface reflects in the mirror direction. It is given in **gloss units (GU)**; polished black glass is 100 GU.

The angle matters — 60° for most surfaces, 20° above 70 GU at 60°, 85° below 10 GU at 60°; always report the angle with the value.

45° and 75° — special angles for ceramics and films (45°) and for paper, board and print (75°).

Above 100 GU — metals and mirrors reflect more than the black glass reference and can read up to about 2000 GU at 20°.

Gloss meter series — which model?

Model	CGT268	CG268	CG60	CG60M	CG47
Angles	20° / 60° / 85°	20° / 60° / 85°	**60°**	60°	45° / 75°
Max. range	2000 GU	2000 GU	**1000 GU**	1000 GU	800 GU
Small spot 2 × 4 mm	—	—	—	✓	—
Touch screen	✓	—	—	—	—
Power	Li-ion	AA / USB	**AA / USB**	AA / USB	AA / USB

CGT268 — full range with touch screen for the laboratory; CG268 — three angles in a compact instrument; CG60 — routine 60° control; CG60M — curved and small parts; CG47 — 45°/75° for ceramics, films and paper. See the Gloss Measurement Guide for choosing the angle.

Standard delivery

Instrument	CG60 with calibration plate in the protective base
Power and data	USB cable; PC quality software
Other	User guide

Options

Printer	Mini printer
Wireless	Bluetooth adapter

Typical samples

Paints and coatings: batch-to-batch gloss, cured panels, powder coatings.

Plastics and automotive: moulded parts, trim, body paint.

Furniture, wood, stone: lacquer finish, polished tiles and stone.

Paper and print: coated paper, varnish, packaging.

CG60 · configuration and support

Ordering information, configuration checklist and contact

CONFIGURATION AND SUPPORT



CG60 · 60° all-purpose angle

Ordering information

Model	CG60 60° Gloss Meter
Angles	60°
Range	60°: 0–1000 GU
Interface	USB; Bluetooth with optional adapter
Options	Mini printer, Bluetooth adapter

Configuration checklist

Surfaces: material, gloss level and whether the parts are flat, curved or small.

Angle and standard: 60° only, or 20°/60°/85°; ISO 2813 or ASTM D523.

Data: tolerances, number of readings and transfer to PC or quality system.

SUPPLIER AND SUPPORT

COLO Lab Experts
Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: send the material, the gloss level you expect and the standard you report to — we confirm the angle, the model and delivery time with the quotation.

QUICK CONTACT

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+386 70 713 437

COLO.SCIENCE · COLOUR AND APPEARANCE MEASUREMENT

Measuring gloss of coatings, plastics or paper?

Send the material and the angle or standard you need — we propose the model and confirm it with the quotation.

Request quotation | sales@colo.si | +386 70 713 437

Specifications are subject to change without notice. Values refer to standard laboratory conditions.