

APPEARANCE & GLOSS

GLOSSTEK GLOSSMETERS



Gloss measurement
at 60° and 20/60/85°

STANDARDS

ISO 2813 · ASTM D523 · DIN 67530 · ASTM E430

NK Glosstek glossmeters are designed for gloss control in paints, coatings, plastics, wood, paper and any finished surface. Manufactured by Rhopoint Instruments (UK) under the NK by NEURTEK brand, they offer maximum accuracy and repeatability, traceable to international standards.

The range comprises two models: the NK Glosstek 60 (single angle, ideal for routine monitoring) and the NK Glosstek Trio (20/60/85° triangle for any gloss level).

The NK IQtek model adds measurement of VELO – HAZE reflectance, DOI and reflectance, which are key for high-gloss applications.

APPLICATION

- **Paints and coatings:** gloss control on finished products, in batches and on receipt of materials.
- **Lacquering and powder coating:** gloss uniformity on aluminium profiles, sheet metal and steel.
- **Automotive and refinishing:** gloss verification on bodywork, plastic parts and interior finishes.
- **Yacht manufacturers:** quality control of gel-coat finishes and polyurethane paints.
- **Furniture and wood finishes:** gloss uniformity in lacquers, varnishes and oils.
- **Plastics industry:** gloss on injection-moulded, thermoformed and painted parts.
- **Polished stone and metals:** inspection of polishing and surface finish.
- **Aerospace and detailing:** verification of high-value finishes with strict gloss specifications.

GENERAL FEATURES

- Simultaneous measurement of all available angles.
- Comprehensive statistics per batch: maximum, minimum, mean and standard deviation, with date and time.
- Rechargeable lithium-ion battery: 17+ hours of operation, 20,000+ readings per charge.
- Memory: 8 MB for up to 2,000 readings.
- ISO 17025 UKAS-certified calibration standard included.
- USB and Bluetooth connectivity for data transfer to Excel or an app.
- Rhopoint Quick Report app (iOS / Android / Web) and Glosstek Multi Gauge software for PC included.
- 2-year warranty with registration (1 year without registration). Light source guaranteed for life.

CHOOSING THE RIGHT MODEL

The choice of model depends on the type of finish and the parameters to be measured:

Feature	NK Glosstek 60	NK Glosstek Trio	NK IQtek (Haze)
60° gloss (all finishes)	✓	✓	✓
20° gloss (high gloss ≥ 70 GU)	—	✓	✓
85° gloss (low gloss < 10 GU)	—	✓	✓
Haze / reflectance haze	—	—	✓
Reference	NK-Glosstek60	NK-Glosstek206085	NK-IQ206085

SELECTION OF THE MEASUREMENT ANGLE

The ISO 2813 and ASTM D523 standards define three measurement geometries depending on the surface gloss:

- **60° — Universal angle:** for any level of gloss. This is the reference angle in most industrial specifications.
- **20° — High gloss (surfaces ≥ 70 GU at 60°):** greater sensitivity and resolution on highly reflective finishes. More sensitive to haze effects.
- **85° — Low gloss (surfaces < 10 GU at 60°):** a grazing angle that averages out irregularities and offers better resolution on matt and satin finishes.

SPECIFICATIONS BY ANGLE

Parameter	20	60	85	HAZE
Range (GU/log HU)	0–100 / 100–2000	0–10 / 10–100 / 100–1000	0–100 / 100–199	0–500 log HU
Repeatability	0.2 GU / 0.2 %	0.1 / 0.2 GU / 0.2 %	0.2 GU / 0.2 %	1 log HU
Reproducibility *	0.5 GU / 0.5 %	0.2 / 0.5 GU / 0.5 %	0.5 GU / 0.5 %	10 log HU
Resolution	0.1	0.1	0.1	0,1
Measuring area	6 × 6.4 mm	6 × 12 mm	4.4 × 44 mm	6 × 6,4 mm
Standards	ISO 2813 · ASTM D523 · ISO 7668 · ASTM D2457 · DIN 67530 · JIS Z 8741	ISO 2813 · ASTM D523 · ISO 7668 · ASTM D2457 · DIN 67530 · JIS Z 8741	ISO 2813 · ASTM D523 · ISO 7668 · ASTM D2457 · DIN 67530 · JIS Z 8741	ISO 2813 · ASTM D523 · ISO 7668 · ASTM D2457 · DIN 67530 · JIS Z 8741 ASTM E430 · ASTM D4039

GU = Gloss Units

* A mirror calibration standard (B6000-101) is required for measurements in the range > 100 GU.

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INSTRUMENT SPECIFICATIONS

Parameter	Value
Battery	Rechargeable lithium-ion
Battery life	17+ hours · 20,000+ readings per charge
Memory	8 MB — up to 2,000 readings
Dimensions (H × W × D)	65 × 140 × 50 mm
Instrument weight	390 g; 1.6 kg packaged
Operating temperature and humidity	15–40 °C (60–104 °F); up to 85%, non-condensing
Connectivity	USB (storage drive) · Bluetooth

MODELS

Code	Description
NK-GLOSSTEK60	NK Glosstek 60—60° single-angle gloss meter

Optional calibration	Code	Description
✓	SER-CE609B	ENAC-accredited calibration certificate for single-angle glossmeter

Code	Description
NK-GLOSSTEK206085	NK Glosstek Trio 20/60/85—20/60/80° triangular glossmeter

Optional calibration	Code	Description
✓	SER-609	ENAC-accredited calibration certificate for 3-angle glossmeter

Code	Description
NK-IQ206085	IQTEK 20/60/85—Gloss Meter + Velo-Haze, Mirror Effect-DOI, Reflectance

Optional calibration	Code	Description
✓	SER-609	ENAC-accredited Calibration Certificate for 3-angle Gloss Meter