

GlossTensor®

One-angle all-purpose or three-angle design. GlossTensor® instruments are small hand-held instruments for gloss measuring; light, handy and robust.



These instruments can be supplied in one and three-angle design. The GlossTensor® 60° is equipped with a universal angle of 60° and determines universal and normal gloss levels. The GlossTensor® 20°-60°-85° determines – depending on its setting – the respective levels for high gloss, universal, normal or dull gloss.

The easy handling and calibration always ensure quick operational readiness for many different demands in the production flow and laboratory.

New! GlossTensor 60° plus:

According to switch on the device with the switcher on the right side for high gloss measurements on metallic surfaces, mirrors and glass.

Powerful down to the smallest detail:

- determination of the gloss levels from dull to mirror gloss
- easy and quick calibration
- measurement display with good stability characteristics
- high repeat accuracy
- stable optics which need not be replaced
- handy design and robust casing for a long service life
- standard calibration disks from quartz crystal ensure high-precision calibration with high accuracy
- battery-operated independent from mains
- battery warning display
- calibration based on only one standard

Specifications

GlossTector®

Specifications are subject to change without prior notice.

Measuring head/geometry:	GlossTector® 60°: 60° GlossTector® 20° –60° –85°: 20°, 60° and 85°
Measuring range:	0 – 199.9 Gs Reading and/or display errors: less than ± 1,2GS
Measuring opening:	40 x 15 mm (for all angles)
Measuring surface:	20°: 44,2mm² 60°: 75,0mm² 85°: 112,5mm²
Measuring precision:	≤ 1 gloss unit (in the range from 0 – 100 gloss units)
Standard light type:	A
Detector:	silicon photo sensor
Spectral evaluation:	V (L) approximated
Battery:	1,5 V alkaline battery
Ambient temperature:	0°C – 40°C, relative air humidity: below 85%
Dimensions (L x W x H):	GlossTector® 60°: 114 x 31 x 63mm GlossTector® 20° –60° –85°: 114 x 31 x 63mm
Weight:	GlossTector® 60°: 400g GlossTector® 20° –60° –85°: 500g
Standards:	EN ISO 2813, DIN 67530, ISO 7668, ASTM D 523
Figure height:	10 mm

What 's the difference between GlossTector 60° & 3-angle-device?

The GlossTector 60° has the gloss properties to measure universal/normal gloss.

The 3-angle-device 20°, 60°, 85° can be set to the respective degrees of 20°, 60° or 85°.

The setting of 20° is recommended for measuring of high gloss, 60° for universal/normal gloss and 85° low gloss.

For example:

60° is mainly used in the auto industry, the manufacture of paints, coatings industry and plastics and processing industry.

20° is used in the range of metal surfaces, mirrors and glasses.

85° is used in auto, ink, paint, foil, plastic, furniture, aerospace, military, and processing industry.

The main applications are listed below:

(1) Measurement of paint and dope surface gloss in the automobile, electronic, appliance and musical instrument industries.

(2) Measurement of flooring, marble, granite and ceramic tile gloss in the architecture and decorating businesses.

(3) Measurement of printing ink and paper in the printing and packaging industries.

(4) Measurement of highly polished metals such as aluminum and its alloys.

Complete equipment, consisting of:

- Gloss measuring instrument
- High gloss standard (black)
- Measuring disk white
- Duster
- Battery
- Service bag