

Gloss meters and colorimeters



The surface characteristics of materials or components are defined by colour and gloss. For some surfaces, the degree of gloss is crucial. Plastics, paper or lacquer are requested in different degrees of gloss or certain colours. Gloss is measured on the basis of the reflection of the light beam that hits a surface. The degree of gloss is determined by means of the intensity of the light reflected from the point of incidence to an internal reflecting plate. The human perception of colours is influenced by various factors. We often have perceptual problems, for instance, when the blue value is increased, the human eye sees a higher whiteness. Produced products of the same design should always be of the same colour to prevent recourse claims of clients. Labels which are reproduced on a regular basis should have the same colour as their forerunners. Thanks to gloss meters and colorimeters, it is no longer a big issue to find the right colour.

PCE-GM 50

Gloss Meter (60 °)

- measures gloss within seconds
- 60 ° angle as fixed setting
- high reproducibility
- powered by battery
- calibration function
- calibration plate included



PCE-GM 60

Gloss Meter (60 °) with Software

- gloss degrees from matte to mirror finish
- high reproducibility
- powered by battery
- calibration plate made of quartz crystal
- report compilation via software
- incl. software and USB cable



PCE-GM 60 Plus

Gloss Meter (60 °)

- measuring geometry: 60°
- calibration plate included in the delivery content
- ergonomic case
- 3,5 "TFT
- short measuring time
- up to 200 gloss units
- show last 3 measurements



TECHNICAL SPECIFICATIONS

Measur. range	0.0 ... 200 GU (gloss units)
Optical angle	60 °
Resolution	0.1 GU
Accuracy	±1.2 GU
Reproducibility	±0.4 GU
Meas. surface	15 x 32 mm
Standard illuminant	A
Detector	silicon photodiode
Display	LCD
Power supply	2 x AAA 1.5 V battery
Battery life	60 h or 10000 measurements
Dimens. / weight	114 x 70 x 38 mm / 370 g

INCLUDES

Gloss meter, calibration standard, case, battery, instruction manual

ITEM NO.	ITEM
K-PCE-GM 50	gloss meter

OPTIONAL ACCESSORIES

K-CAL-IG	ISO calibration certificate
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TECHNICAL SPECIFICATIONS

Measur. range	0.0 ... 1999 GU (gloss units)
Optical angle	60 °
Resolution	0.1 GU
Accuracy	±0.2 GU (0 ... 99.9) ±0.2 % (100 ... 1999)
Meas. surface	10 x 20 mm
Memory	10 readings
Interface	USB
Display	LCD
Power supply	1.5 V AAA battery
Dimensions	83 x 46 x 30 mm
Weight	100 g

INCLUDES

Gloss meter, calibration standard, software, USB cable, case, battery, instruction manual

ITEM NO.	ITEM
K-PCE-GM 60	gloss meter

OPTIONAL ACCESSORIES

K-CAL-IG	ISO calibration certificate
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TECHNICAL SPECIFICATIONS

Measur. geometry	60°
Display	3,5" TFT display
Standards	ISO 2813/ GB/T 9754 / ASTM D 523 / ASTM D 2457
Measuring surface	9x15 mm
Measuring range	0...200 GU
Readability	1 GU
Chromaticity	Fulfils CIE 1931 (2°) under a CIE C - light source
Interface	USB / RS-232
Operating temperature	0...+40 °C
Storage temperature	-20...+50 °C
Menu language	English, Chinese
Power supply	3200 mAh Li-ion rechargeable
Dimensions	160 x 75 x 90 mm
Weight	350 g

INCLUDES

Gloss meter, charging adaptor, USB cable, calibration plate, battery, user manual

ITEM NO.	ITEM
K-PCE-GM 60Plus	gloss meter

PCE-IGM 60 / PGM 60

Gloss Meter (60 °)

- measuring geometry: 60°
- 3,5" TFT (PCE-IGM 60 with touch screen and internal data memory))
- calibration plate included in the delivery content
- short measuring time
- with evaluation software
- show last 5 measurements
- Creating diagrams, transfer the data in .csv or MS word



TECHNICAL SPECIFICATIONS

Measur. geometry	60°
Display	3,5" TFT (touch display)
Standards	ISO 2813/ GB/T 9754 / ASTM D 523 / ASTM D 2457
Measuring surface	9x15 mm
Measuring range	0...300 GU
Readability	0,1 GU
Chromaticity	Fulfils CIE 1931 (2°) under a CIE C - light source
Measuring time	0,5 second
Interface	USB / RS-232
Measuring storage	Baseline measurement: 1000
Operating temperature	0...+40 °C
Storage temperature	-20...+50 °C
Menu language	English, Chinese
Power supply	3200 mAh Li-ion rechargeable
Dimensions / weight	160 x 75 x 90 mm / 350 g

INCLUDES

Gloss meter, charging adaptor, software, USB cable, calibration plate, battery, software, user manual

ITEM NO.	ITEM
K-PCE-PGM 60	gloss meter
K-PCE-IGM 60	gloss meter

PCE-SGM 60

Gloss Meter (60 °)

- measuring geometry: 60°
- measurement to 1000 gloss units
- internal memory up to 5000 readings
- small measurement arena
- 0,5 second measurement time
- includes evaluation software



TECHNICAL SPECIFICATIONS

Measur. geometry	60°
Display	3,5" TFT touch display
Standards	ISO 2813/ GB/T 9754 / ASTM D 523 / ASTM D 2457
Measuring area	1,5 x 2 mm / 0,06 x 0,07 in
Measuring range	0...1000 GU
Readability	0,1 GU
Chromaticity	Fulfils CIE 1931 (2°) under a CIE C - light source
Measuring time	0,5 second
Interface	USB / RS-232
Measurement memory	Basis 1000 / statistic-cont. 5000
Ambient temperature	0...+40 °C / 32...104°F
Storage temperature	-20...+50 °C / -4...122°F
Menu language	English, Chinese
Power supply	3200 mAh Li-ion rechargeable
Dimensions / weight	160 x 75 x 90 mm / 350 g

INCLUDES

Gloss meter, charging adaptor, software, USB cable, calibration plate, battery, software, user manual

ITEM NO.	ITEM
K-PCE-SGM 60	gloss meter

PCE-GM 100

Gloss Meter (20 °, 60 ° and 85 °)

- measures matte, gloss and mirror finish
- 3 angles: 20 °, 60 ° and 85 °
- high reproducibility
- powered by battery
- calibration function
- calibration standard included



TECHNICAL SPECIFICATIONS

Measur. range	0.0 ... 200 GU (gloss units)
Optical angle	20 °, 60 °, 85 °
Resolution	0.1 GU
Accuracy	±1.2 GU
Reproducibility	±0.4 GU
Meas. surface	11 x 54 mm
Standard illuminant	A
Detector	silicon photodiode
Display	10 mm high LCD
Power supply	1.5 V AA battery
Operating Condit.	0 to 40°C / 85% r.h.
Battery life	60 h or 10000 measurements
Dimensions	145 x 80 x 38 mm
Weight	330 g

INCLUDES

Gloss meter, calibration standard, battery, cleaning cloth, case, instruction manual

ITEM NO.	ITEM
K-PCE-GM 100	gloss meter

OPTIONAL ACCESSORIES

K-CAL-IG	ISO calibration cert. (20 ° / 60 °)
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PCE-IGM 100 / PCE-PGM 100

Gloss Meter (20°, 60° and 85°)

- various measuring geometries
- 3,5" TFT (PCE-IGM 100 with touch screen and internal data memory)
- internal measurement value storage
- calibration plate included in the delivery content
- short measuring time
- evaluation software
- show last 5 measurements
- Creating diagrams, transfer the data in .csv or MS word



TECHNICAL SPECIFICATIONS

Measur. geometry	20° / 60° / 85°
Display	3,5" TFT (touch display)
Standards	ISO 2813/ GB/T 9754 / ASTM D 523 / ASTM D 2457
Measuring surface	20° 10x10 mm / 60° 9x15 mm / 85° 5x36 mm
Measuring range	20° 0...1000 GU, 60° 0...1000 GU / 85° 0...160
Readability	0,1 GU
Chromaticity	Fulfils CIE 1931 (2°) under a CIE C - light source
Measuring time	0,1 second
Interface	USB / RS-232
Operating temperatur.	0...+40 °C
Storage temperature	-20...+50 °C
Menu language	English, Chinese
Power supply	3200 mAh Li-ion rechargeable
Dimensions	160 x 75 x 90 mm
Weight	350 g

INCLUDES

Gloss level meter, charging adaptor, software, USB cable, calibration plate, battery, software, manual

ITEM NO.	ITEM
K-PCE-PGM 100	gloss meter
K-PCE-IGM 100	gloss meter

