PCE-GM 100

Gloss meter with multiple angles: 60°, 20°and 85°

The PCE-GM 100 gloss meter is ideal to measure flat surfaces and it operates according to the refractometer principle. Its rugged design and its practical dimensions provide big advantages when you measure on the spot or in the production sector such as in factories. Geometry selection allows matte, normal or hi-gloss to be measured.

- Matte, normal and hi-gloss
- 3 selectable angles: 20°, 60° and 85°
- High repeatability
- Rugged dimensions
- Battery powered
- Calibration function
- Calibration plate included in the delivery
- ISO calibration certificate (optional)

Technical specifications	
Measurement range	0.0 to 200
Optical angle	20°, 60°, 85° (selectable)
Accuracy	±1.2 of gloss units
Repeatability	±0.4 of gloss units
Measurement area	11 x 54 mm
Type of light	A
Detector	silicon photo diode
Display	LCD with 10 mm high digits
Power	1.5 V battery
Battery life	60 h or 10,000 measurements
Dimensions	145 x 80 x 38 mm
Weight	330 g

Contents

Gloss meter, calibration standard, carrying case, battery and user's manual

Model No.	Description
PCE-GM 100	Gloss meter

Optional accessories

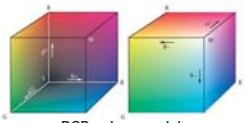
CAL-IG	ISO certificate (only for 20° and 60° angles)

PCE-RGB 2

Spectral colour analyser with external display and interface to connect to a computer.

This colorimeter is based on the most modern microsystem technology and operates accurately according to the spectral model: a source of defined light illuminates the sample and the light reflected by the surface is measured in spectral mode. With this device, luminous surfaces, such as an LCD, can be measured relatively. The measurement results are shown on the display, but can also be transferred to a computer using the optional software package for further analysis. The applications of use for this device are extensive.

- Measurement of non-luminous surfaces, such as paper, skin, fabric, paint, etc.
- Relative measurement of luminous surfaces, such as and LCD
- Calibrate using the white standard (included)
- Relative function to compare different materials
- ISO calibration certificate (optional)



RGB colour model

HSL colour model

Technical specifications	
Measurement geometry	circular illumination 45°/ 0° by 45°, 0° measurement according to DIN5033
Chromatic surfaces	RGB and HSL
Measurement ranges	RGB: 0 to 1023 for R, G and B HSL: 0 to 1.000 for H, S and L
Resolution	1 measurment RGB; 0.001 measurement HSL
Reproducibility	< 3 RGB, for a minimum of 10 measurements
Spectral range	400 nm to 700 nm
Light source	2 white diodes
Applications	1. non-luminous surfaces (absolut value) 2. luminous surfaces (relative measurement) Note: the colour analyser can only be used for non-fluorescent surfaces
Indications	relative and absolute values
Interface	RS-232 (via display)
Software	optional
Power	9 V battery
Dimensions (sensor)	45 x 92 x 160 mm
Dimensions (device)	205 x 76 x 37 mm
Weight	approx. 600 g
Operating conditions	0 to +50°C / maximum 80 % r.h.
Standards	DIN 5033

Contents

PCE-RGB 2, display with sensor and 1m cable, white standard, case and user's manual

Model No.	Description
PCE-RGB 2	Colour analyser with external display

Optional accessories

SOFT-LUT-B02	Software and RS-232 interface
RS232-USB	RS-232 to USB adaptor