

Technical Gloss Meter PCE-GM 50

Gloss meter for accurate measurements up to 200 gloss points, small, mobile and robust, comes with calibration standard, easy to use, 60 ° measuring angle

The PCE-GM 50 gloss meter is a highly accurate and durable digital gloss tester. This gloss meter is easy to use, compact and solidly built. Colour and gloss are very important factors in determining surface characteristics. This gloss meter can take measurements on the spot, in the field, on the production floor, in laboratories, and in receiving departments. This unit has a measuring geometry of 60° and can be used on flat surfaces.

Principle

Gloss is determined by measuring the reflection of light on a particular surface. This measurement takes into consideration the intensity of light reflected from a specific point onto a specific surface. According to this, the surface gloss reading of glass with the previously calculated coefficient of 1567 must indicate the value relative to 100. A plate of black glass is used as the reference surface for calibration with a value of 90.

Applications

- Inspection of buildings
- Floor coverings
- Varnished surfaces
- Polished surfaces
- Quality control (for example, plastic surfaces or in receiving departments)
- Company laboratories
- Technical services (for example, in a customer complaints department)

Technical specifications

Range	0 to 200 gloss units or points
Accuracy	±1.2 gloss points
Repeatability	±0.4 gloss points
Optical angle	60°
Measurement range	15 x 32 mm
Operating conditions	0 to 40°C/85% r.h.
Power	2 x AAA 1.5 V batteries
Dimensions	114 x 70 x 38 mm
Weight	370 g

Delivery contents

1 x PCE-GM 50 gloss meter

1 x calibration standard

2 x AAA 1.5 V batteries

1 x carrying case

1 x user manual