

Gloss Meter PCE-RM 100



PCE-RM 100 Gloss meter for Opacity

Reflectometer for determining the reflection of surfaces / Easy handling / Including calibration standard

The reflectometer is used to measure the reflection properties of surfaces related to opacity. The PCE-RM 100 reflectometer is used in furniture construction, workplace control, lighting design etc. The reflectometer measures the reflectance off the surface in which a light is reflected from the surface. Subsequently, the reflection of the light is compared with an absolute black and an absolute white background, and from this the degree of opacity is determined mathematically. The reflectometer measures the surface reflectance according to the currently valid international standards ISO3906-1980, ISO3905, ISO2814.

The surface reflection is an important measure to detect, for example, whether a furniture surface for the human eye is too reflective and so unpleasant. The reflectometer PCE-RM 100 can measure this reflection directly in the development of furniture decors and the engineer can make a statement of quality.

- ▶ Measurement of surface opacity
- ▶ Large LC display
- ▶ Battery operation
- ▶ Interface and software
- ▶ Easy handling
- ▶ Reflectance measurement up to 100

Specifications

Measuring range	0 ... 100 (0 is transparent and 100 is fully opaque)
Optical measurement angle	45° degree angle
Measurement accuracy	± 1
Resolution	0.1
Repeatability	± 0.3
Measuring surface	7 x 14 mm (elliptical)
Interface	USB
Power supply	3.7V Li-ion battery
Operating conditions	0 ... 40°C / 32 ... 104°F, <85% rh
Dimensions	141 x 45 x 79 mm / 5.6 x 1.8 x 3.1 in
Weight	About 310 g / < 1 lb

Subject to change