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Technical Gloss Meter PCE-IGM 100

Gloss meter for mobile use / different measuring geometries / 3.5 " TFT-Display / fast measurement time / internal data memory / including evaluation software

A gloss meter is a tester for determining surface gloss. Thereby, with the glossmeter, spectral reflections of a light beam that hits the surface, are measured. The touch screen allows for easy navigation. The gloss meter is applied especially in areas where it is important that the surfaces have the same structure, and thus have the same surface characteristics. This often happens in quality control. Thus, the gloss meter is a measuring instrument which can be used in many different companies. Included with this gloss meter there is also a CD-Rom with special evaluation software. So the measured data can be first stored on the device and later transferred to a computer. The software of the gloss meter also has an analysis function that serves for precise evaluation.

- different measuring geometries
- 3.5 " TFT
- internal data memory
- calibration plate supplied
- fast measurement time
- with evaluation software

Technical Data

Measuring geometries	20 ° / 60 ° / 85 ° / 20 ° 60 ° 85 °
Display	3.5 " TFT touch display (320 x 480 Pixel)
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 GU
Readability	0.1 GU
Repeatability	Measuring range 0 ... 10 GU: ±0.1 GU Measuring range 10 ... 100 GU: ±0.2 GU Measuring range 100 ... 1000 GU: ±0.2 GU (%)

Reproducibility	Measuring range 0 ... 10 GU: ± 0.2 GU Measuring range 10 ... 100 GU: ± 0.5 GU Measuring range 100 ... 1000 GU: ± 0.5 GU (%)
Chromaticity	Meets CIE 1931 (2 °) under a CIE C - light source
Measurement accuracy	$\pm 1.2 / \pm 1.2$ %
Measuring time	1 second
Dimensions	160 x 75 x 90 mm
Weight	350 g
Menu language	English, Chinese
Power supply	3200 mAh Li-ion rechargeable battery
Interface	USB / RS-232
Measurement memory	Based measurement: 1000 Statistical mode: 5000 Continuous measurement: 5000
Software	Included in delivery
Ambient temperature	0 ... +40 °C
Storage temperature	-20 ... +50 °C
Relative humidity	<85 % rel. humidity (not condensing)

Delivery Contents

1 x glossmeter PCE-IGM 100, 1 x evaluation software (auf CD-ROM), 1 x charging adapter, 1 x USB cable, 1 x calibration certificate, 1 x instruction manual