



PCE Americas Inc.  
711 Commerce Way  
Suite 8  
Jupiter  
FL-33458  
USA  
From outside US: +1  
Tel: (561) 320-9162  
Fax: (561) 320-9176  
info@pce-americas.com

PCE Instruments UK Ltd.  
Units 12/13  
Southpoint Business Park  
Ensign way  
Hampshire / Southampton  
United Kingdom, SO31 4RF  
From outside UK: +44  
Tel: (0) 2380 98703 0  
Fax: (0) 2380 98703 9  
info@pce-instruments.com

[www.pce-instruments.com/english](http://www.pce-instruments.com/english)  
[www.pce-instruments.com](http://www.pce-instruments.com)

## Technical Gloss Meter PCE-IGM 60

**Gloss meter for use in quality and incoming goods control /  
60 ° measurement geometry / 3.5" TFT display / fast measurement time /  
internal data memory / including evaluation software**

The gloss meter PCE-GM 60 is an optical measuring instrument with a measuring geometry of 60°. The surface is analyzed by the gloss meter and then the result is shown. Every surface has the characteristic to reflect light. This feature is used by the glossmeter to send light onto the surface. This happens when the gloss meter PCE-IGM 60 is at an angle of 60°. A large part of the transmitted light penetrates the surface and the remaining light particles are reflected from the surface. Then the gloss meter calculates which gloss value the surface has, by the light that is reflected.

The measured values thus obtained can be stored directly on the gloss meter. Using the supplied software, it is possible to read out the data at a later time on the computer and analyze it. The fact that the gloss meter has a measuring range up to 2000 measurement points ensures that the majority of surfaces can be measured with the gloss meter.

- measurement geometry 60°
- 3.5 " TFT
- internal data memory
- calibration plate supplied
- fast measurement time
- with evaluation software

### Technical Data

Measurement 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
Repeatability	Measuring range 0 ... 10 GU: ±0.1 GU Measuring range 10 ... 100 GU: ±0.2 GU Measuring range 100 ... 300 GU: ±0.2 GU (%)
Reproducibility	Measuring range 0 ... 10 GU: ±0.2 GU

	Measuring range 10 ... 100 GU: $\pm 0.5$ GU
	Measuring range 100 ... 300 GU: $\pm 0.5$ GU (%)
Chromaticity	corresponds to CIE 1931 (2 °) under a CIE C - light source
Measurement accuracy	$\pm 1.2 / \pm 1.2$ %
Measuring time	0.5 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	Basis measurement: 1000 Statistical mode: 5000 Continuous measurement: 5000
Software	Included
Operating temperature	0 ... +40 °C
Storage temperature	-20 ... +50 °C
Relative humidity	<85% rel. humidity (non-condensing)

### **Delivery Contents**

1 x Gloss Meter PCE-IGM 60, 1 x Lithium-Ion-Battery, 1 x Evaluation software (on CD-ROM), 1 x USB Cable, 1 x Calibration plate, 1 x Instruction manual