



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-PGM 60

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

The PCE-PGM 60 gloss meter has a measuring geometry of 60 °. The gloss meter is used to analyse surfaces of different materials. Gloss measurements are particularly carried out in the production industry where products must have exactly the same characteristics. Therefore, it can be said that the main areas of usage of a gloss meter are incoming goods and quality control where the gloss meter is used as a test device to determine whether the condition of the products is flawless.

The included software for the gloss meter supports the user in analysing the measured data and to represent them graphically. Additionally, the user has the possibility to save the measured data directly to the internal memory of the gloss meter which has a capacity for up to 1000 measured values. The PCE-PGM 60 gloss meter has a measuring geometry of 60 ° which cannot be adjusted in this case. Other devices have a function to adjust the measuring geometry.

- Measuring geometry: 60 °
- 3.5 "TFT
- internal measurement value storage up to 1000 measurement values
- calibration plate included in the delivery content
- short measuring 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	Meas. range 0 ... 10 GU: ±0.1 GU

	Meas. range 10 ... 100 GU: $\pm 0.2$ GU
	Meas. range 100 ... 300 GU: $\pm 0.2$ GU (%)
Reproducibility	Meas. range 0 ... 10 GU: $\pm 0.2$ GU
	Meas. range 10 ... 100 GU: $\pm 0.5$ GU
	Meas. range 100 ... 300 GU: $\pm 0.5$ GU (%)
Chromaticity	Fulfils CIE 1931(2 °) under a CIE C – light source
Measurement accuracy	$\pm 1.5 / \pm 1.5$ %
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
Measuring storage	Baseline measurement: 1000
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-PGM 60
- 1 x rechargeable lithium-ion battery
- 1 x charging adaptor
- 1 x USB cable
- 1 x calibration plate
- 1 x evaluation software (on a CD-ROM)
- 1 x instruction manual