

Advancing with technology

ElektroPhysik

Gloss measurement

PicoGloss 560 MC



- Extremely small, convenient Gloss Measuring Device
- 60°- measuring geometry
- 3 measuring modes
- Calibration with only one standard
- Integrated mirror-gloss measurement
- Measurements according to:
EN ISO 2813, DIN 67 530,
ISO 7668 und ASTM D 523

Design

The **PICOGLOSS 560 MC** is one of the smallest portable gloss-measuring devices ever designed. It is smaller than a PC mouse and therefore ideal for on-site use. The universal 60° measuring geometry and the automatic change-over of mirror-gloss make this instrument suitable for a wide range of applications.

Because of the compact dimensions of the measuring instrument and the measuring aperture gloss measurements can be carried out without difficulty even on small or narrow specimens as well as in places which are not easily accessible.

Special Features

• Handling

Single-key operations make gloss measurements extremely easy and comfortable. The reading remains stored in the display for about 30 s and is then switched off automatically to save the battery. However, the last measured value is preserved and is shown in the display when the instrument is switched on again.

• Display

In addition to the measuring and calibrating values the high-contrast LC display also shows messages and information.

• Calibration

The PICOGLOSS 560 MC requires only one calibrating standard for normal two-point calibration. After key pressure the calibration routine runs automatically. The calibration value is stored on the standard (EPROM).

• 60° Gloss measurement

Specifically for gloss measurements on lacquers and plastics in the range of 0 - 150 gloss units.

• Mirror gloss measurement

Mirror-gloss measurements can be conducted on metallic surfaces in the range of up to 1000 gloss units. There is an automatic change-over of the measuring range at 150 gloss units.

• Detection of external light

The effect of external light can be determined by conducting measurements with the lamp switched off.

• USB interface

The measured data can be transferred to a PC by means of the USB cable supplied and evaluated using the software PICOSOFT II *).

• Power supply

The PICOGLOSS 560 MC is operated by a round cell, the capacity of which is adequate for at least 10,000 measurements. When using a PC, the power supply is taken over by the USB interface of the PC.

Reference Class:

The **PICOGLOSS 560 MC** is supplied with a Manufacturer's Certificate M in accordance with DIN 55 350-18 that includes among others the following information:

Actual and setting values of the gloss standards, product identification, test equipment used with calibration status, date, name of inspector. In the range up to 100 gloss units the linearity is checked by means of 4 gloss standards (the maximum deviation permissible is 1 gloss unit)

Technical Data

Dimensions (L x W x H):	(105 x 31 x 59) mm
Net weight:	200 g
Measuring aperture:	(10 x 24) mm
Measuring spot:	(8 x 16) mm
Measuring geometry:	60°
Light source:	LED
Detector:	Si-photo-cell
Display:	8-digit LCD height of digits 11,5 mm
PC interface:	USB
Power supply:	1 round cell (LR03)
Permissible temperature range:	
Storage:	- 10 °C to + 60 °C
Operation (non-dewy):	+ 15 °C to + 40 °C
Reproducibility:	0,2 GU in the range of 0 to 150 GU 0,5 GU in the range of 150 to 1000 GU
Reproducibility in case of interfering irradiation (EN 61000-4-3):	1 GU

Order Information

Order-No.	Product description
85-800-0003	PICOGLOSS 560 MC
Included in the scope of delivery: <ul style="list-style-type: none">• High gloss standard• Battery (round cell LR03)• USB-cable• Lens cloth• Transport case• Operating instructions	

Accessories

Order-No.	Product description
85-808-0114	Medium gloss standard
85-808-0115	High gloss standard
	PICOSOFT II

Subject to technical modifications
Gr. 17 - TBD-560 MC – VII/2010

ElektroPhysik

Pasteurstr. 15
D-50735 Köln
Tel.: (0221) 75204-0
Fax: (0221) 75204-67
www.elektrophysik.com
info@elektrophysik.com



ElektroPhysik USA

778 West Algonquin Rd.
Arlington Heights IL 60005
Phone: +1 847 437-6616
Fax: +1 847 437-0053
www.elektrophysik.com
epusa@elektrophysik.com

ElektroPhysik Nederland

Borgharenweg 140
6222 AA Maastricht
Tel.: +31 (0)43/3520060
Fax: +31 (0)43/3631 168
www.elektrophysik.com
epnl@elektrophysik.com