

micro-gloss robotic

Non-contact gloss measurement with smart communication

The micro-gloss has been the unsurpassed industry standard in gloss measurement for many years. It is the only glossmeter combining the highest accuracy, ease-of-use and multiple functionality - essential for today's testing requirements.

The micro-gloss 2 ROBOTIC comes with smart-chart software for professional documentation and efficient data analysis - the ideal tool for smart communication.



micro-gloss 2 ROBOTIC - automatic online gloss measurement

A stable running process is the key for uniform and consistent quality. Therefore, gloss needs to be measured on a routine basis in the production process and the measurement results need to be documented for process automatization. The new micro-gloss 2 robotic allows automated gloss control.

With the robust fixture it can be integrated into automated measuring systems like a xy-table setup or a 5 axis robot. The calibration tile is supplied in a special track which enables fast and automatic calibration on a regular basis - accuracy at any time.

Thus, measurements are taken always on the same sample area, which ensures repeatable positioning and reliable results. Automated gloss control allows measuring a high number of parts and provides complete and representative data for statistical process control - 100 % checking becomes reality.



micro-gloss 2 ROBOTIC - non-contact gloss measurement

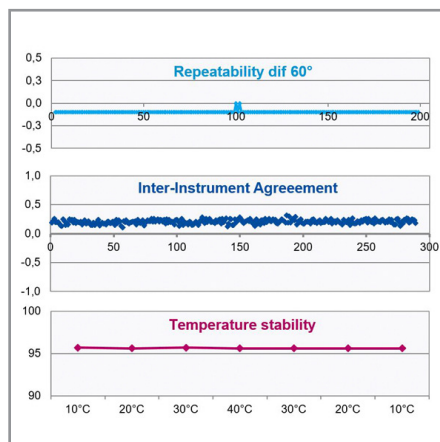
The micro-gloss 2 ROBOTIC measures gloss non-contact in 3mm distance ensuring no risk of sample surface damage.

- Excellent comparison to standard 60° micro-gloss.
- Connection through USB-C or LAN possible.
- smart-robotic: Interface software for minimum integration effort.



micro-gloss 2 ROBOTIC - unsurpassed technical performance

No matter how harsh your production conditions are or how tight your limits may be, accuracy and reliability of the micro-gloss are proven by thousands of users to always guarantee the highest quality. The long-term stable LED light source of the glossmeter provides not only highly repeatable results for many years, but also will never burn out. A 10-year warranty on the lamp life is guaranteed. Due to advanced temperature control, the micro-gloss assures the highest stability of the gloss readings - if you are in the lab or move to a "hot spot" on the line. Our patented calibration procedure during the production of the glossmeters enables an excellent inter-instrument agreement. No matter how far your customer may be away, if he is one of the thousands of micro-gloss users, he will read the same values as you.

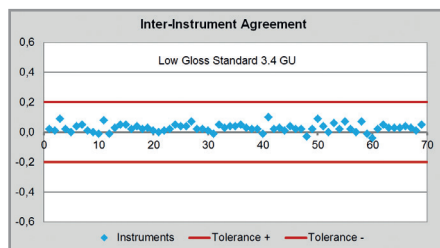


micro-gloss 2 ROBOTIC - improved performance for low gloss finishes (60°)

Matte surfaces are a new design trend that poses a challenge for the uniformity of gloss, as the smallest differences are immediately perceived. In order to guarantee a uniform look among the various components, very tight tolerances are specified. In practice tolerances of ± 0.3 GU to ± 0.5 GU are not unusual. Only a gloss meter with excellent technical performance will be able to meet these requirements. The new micro-gloss 2 ROBOTIC 60° offers improved performance for 60° gloss in the critical low gloss range (0-20 GU). This excellent accuracy can be guaranteed due to our patented calibration procedure during the production of the gloss meters.

- Repeatability for 60° gloss < 20 GU: ± 0.1 GU
- Reproducibility for 60° gloss < 20 GU: ± 0.2 GU

micro-gloss 2 technical performance is the ideal solution for high and matt finishes.



micro-gloss 2 ROBOTIC 60° XS - small port for small parts

Today, many products not only consist of different parts, but are composed of parts with similar surface appearance. An appealing design is important for the success of products like smart phones, computers, or home electronics. Often small parts are integrated in a large part or connect parts such as frames, buttons, or decorative trim pieces. Their size and design make it difficult to evaluate with a classical gloss meter. The micro-gloss 2 ROBOTIC 60° XS is a 60° gloss meter with a small measuring area of 2x4 mm, an ideal solution to measure small parts and assure that they match the large components.



Standards

In compliance with:
ISO 2813, 7668
ASTM D 523, D 2457
DIN 67530
JIS Z 8741



Catalog Number	7658
Short Description	60° micro-gloss 2 ROBOTIC XS
Geometry	60°
Application	semi gloss
Measuring Area	2.5 x 4.4 mm 0.1 x 0.17 in
Repeatability Gloss 0-20	0.1 GU
Repeatability Gloss 20-100	0.2 GU
Repeatability Gloss 100-2000	0.20%
Reproducibility Gloss 0-20	0.2 GU
Reproducibility Gloss 20-100	0.5 GU
Reproducibility Gloss 100-2000	0.50%
Spectral sensitivity	CIE standard observer for illuminant CIE-C
Measuring time	0.7 seconds
Interface	USB
Power supply	USB-C or external power supply 20-24 VDC, max. 0.75 A
Dimensions: L x W x H	9.5 x 3.1 x 7.3 cm 3.7 x 2.9 x 1.2 in
Weight	0.3 kg 0.7 lb
Relative humidity	up to 85 %, non-condensing
Operating temperature	15 - 40 °C

Delivery Content

Glossmeter, Calibration tile 60° robotic, USB-cable micro-gloss (4405), Battery, Traceable certificate, Manual, Carrying case

System Requirements

Operating system: Windows® 10 1607 or later
Hardware: i5 2.5 GHz; i9 recommended, or equivalent (x86 & x64 architecture only)
Memory: 16 GB RAM, 32 GB recommended
Free hard-disk capacity: 4 GB during installation
Monitor resolution: 1920 x 1080 pixel; 4K recommended
Interface: free USB-port

Catalog Number	Short Description
7661	Calibration tile ROBOTIC 60° XS
7662	micro-gloss 2 ROBOTIC power-cable 5m
7663	micro-gloss 2 ROBOTIC LAN-cable 5m
7306	USB-cable type C/C for 7300, 76xx