

GLOSSmaster Refs: 260,261,262,263



INTRODUCTION

The New Sheen GLOSSmaster range of glossmeters have been designed mainly with the user in mind. Now offering greater versatility and ease of use, these instruments have far superior data handling capabilities than ever before.

With three angles in one robust, lightweight, portable package the GLOSSmaster range will easily tackle most gloss measurement applications.

FEATURES

- *Simple to operate - selection of operating parameters controlled by an in-built scroll wheel.*
- *Clear visible LCD menu driven display.*
- *Intelligent auto diagnosis indicates when calibration is required and condition of the standard.*
- *Easy to calibrate – at the press of a button the instrument is calibrated and ready for use.*
- *Lightweight and portable.*
- *Expanded measurement range now to 2000 Gloss Units allowing measurement of mirror gloss as standard.*
- *Direct transfer of measurement data from the instrument to Excel[®] spreadsheet.*

Tri-GLOSSmaster

Three angles in one instrument – easy to calibrate – easy to use

With the versatility of three geometries the new Tri-GLOSSmaster allows any quality variations to be recognised quickly and effectively.



All measurements are made at the same location on the sample no matter which measurement geometry or geometries are selected. The results are displayed instantly – including difference, Pass / Fail and Statistics.

Auto Diagnosis – Pure perfection !

The new auto diagnosis feature ensures that the instrument is always correctly calibrated ready for use. It is now so intelligent that it will tell you if the calibration tile is dirty !

The unique design of the calibration tile holder not only ensures that calibration is performed accurately each time but also prevents damage to the tile when not in use. It also prevents any dirt or small objects from entering the measuring orifice of the instrument, when not in use, which could affect its operation.



Data storage and analysis – Four modes for flexibility

With today's continuing demands for Statistical Process Control the GLOSSmaster range offers the ultimate in data handling -



Basic mode – For a single measurement of gloss at the selected geometry - the basic mode gives quick snapshot information which is displayed on screen.

Continuous mode – Similar to Basic mode but allows measurements to be taken at any selected geometry or geometries continuously allowing the checking of the uniformity of gloss over a surface, the results are displayed on screen. The frequency at which measurements are taken can be adjusted between 0 – 9 seconds.

Statistics mode – Readings are displayed in 3 selectable columns allowing complete bespoke configuration, each column can display one item of statistical information – Actual value, Average, Std. Dev., Min., Max., Range, Difference or Pass / Fail. The results can then be downloaded to an Excel spreadsheet.



Sample mode – Allows measurements to be taken and referenced to a standard value which is assigned by the user. On screen information indicates the difference between the sample and the standard.

Expanded measurement range – now to 2000 gloss units

A standard feature of the new GLOSSmaster is its expanded measuring range allowing mirror gloss measurements to be made without the need for another instrument. This is ideal for applications where measurements are required of highly polished metals and mirrors.

Conformance to International Standards

	<i>Tri-GLOSSmaster 20 / 60 / 85</i>		
<i>Specification</i>	<i>GLOSSmaster 20</i>	<i>GLOSSmaster 60</i>	<i>GLOSSmaster 85</i>
DIN EN ISO 2813	✓	✓	✓
ASTM D 523	✓	✓	✓
ASTM D2457	✓	✓	✓
DIN 67530	✓	✓	✓
JIS Z 8741	✓	✓	✓
EN ISO 7668	✓	✓	✓

TECHNICAL SPECIFICATION

Measurement Area	20°	10 x 10 mm (0.4 x 0.4 in.)
	60°	9 x 15 mm (0.35 x 0.6 in.)
	85°	5 x 38 mm (0.2 x 1.5 in)
Measurement Range	20°	0 – 2000 GU
	60°	0 – 1000 GU
	85°	0 – 160 GU
Measurement Time	0.5 Seconds / Geometry	
Repeatability	0 – 99.9 GU	0.2 GU
	100 – 2000 GU	0.2%
Reproducibility	0 – 99.9 GU	0.5GU
	100 – 2000 GU	0.5%
Auto Shut-off time	Selectable 10 – 99 seconds	
Memory	999 readings with date and time with recall function. Memory for 50 references in difference mode with limits.	
Interface	RS232, data transfer software included	
Height	73mm (2.9 in.)	
Length	155mm (6.1 in.)	
Width	48mm (1.9 in.)	
Weight	400g (0.9 lbs)	
Power	One 1.5V Mignon Alkaline battery - 10000 readings or optional external power supply.	
Languages	English, Spanish, German, French, Italian, Japanese.	
Operating Temperature	15 - 40°C (60 –104 °F)	
Relative Humidity	Up to 85%, non condensing	

COMPLETE KIT INCLUDES:

- GLOSSmaster glossmeter
- Holder with integrated calibration tile
- Data transfer software
- PC – Cable
- Operating manual
- Battery
- Carrying case

MAINTENANCE / CALIBRATION

The GLOSSmaster range of glossmeters are designed for minimum maintenance by the user. It is only necessary to replace the battery when exhausted and ensure the calibration tile is kept clean. However we do recommend that the instrument be returned for re-calibration annually.

ORDERING INFORMATION

Ref. 260	Tri-GLOSSmaster 20° /60° /85°
Ref. 261	GLOSSmaster 20°
Ref. 262	GLOSSmaster 60°
Ref. 263	GLOSSmaster 85°

Owing to continuous development. we reserve the right to introduce improvements and modify specifications without prior notice.

ElektroPhysik USA Inc. 770 W. Algonquin Road Arlington Heights, IL 60005
Tel: 847-437-6616 Fax: 847-437-0053
Internet : www.elektrophysikusa.com Email: epusa@elektrophysik.com