Measure small footprint areas
Measure curved and hard to reach surfaces
On board statistics, Bluetooth and USB data transfer
Enhanced accuracy measurement of low gloss finishes
Designed specifically to measure the gloss of surfaces that cannot be measured using traditional glossmeters, the Novo-Gloss Flex 60 Glossmeter combines the functionality and reporting of an advanced glossmeter with an ultra lightweight remote measuring head.

The Novo-Gloss Flex 60 has been designed specifically to measure low gloss surfaces. It features an additional measuring scale with a resolution 10 times greater than standard glossmeters.

This increased resolution gives a far superior level of control of surface finish.

The Novo-Gloss Flex 60 complies to ISO 2813 and ASTM D523 and measurements made with the instrument are compatible with traditional glossmeters complying to these standards.
Gloss is an aspect of the visual perception of objects that is as important as colour when considering the psychological impact of products on a consumer.

It has been defined as 'The attribute of surfaces that causes them to have shiny or lustrous, metallic appearance'.

The gloss of a surface can be greatly influenced by a number of factors, for example the smoothness achieved during polishing, the amount and type of coating applied or the quality of the substrate.

Manufacturers design their products to have maximum appeal: highly reflective car body panels, gloss magazine covers or satin black designer furniture.

It is important therefore that gloss levels are achieved consistently on every product or across different batches of products.

Gloss can also be a measure of the quality of the surface, for instance a drop in the gloss of a coated surface may indicate problems with its cure, leading to other failures such as poor adhesion or lack of protection for the coated surface.

It is for these reasons that many manufacturing industries monitor the gloss of their products, from cars, printing and furniture to food, pharmaceuticals and consumer electronics.

Gloss is measured by shining a known amount of light at a surface and quantifying the reflectance. The angle of the light and the method by which the reflectance is measured are determined by surface and also aspect of the surface appearance to be measured.
FEATURES

Measurement
Fast measurement of all parameters. Full on-board statistics with graphical trend analysis and reporting.

Simultaneous measurement of all parameters, results are date and time stamped.

Displays full statistics for the number of readings in the current batch.

Graphical reporting for quick trend analysis.

Easy Batching
User definable batch names and batch sizes for quicker and more efficient reporting.

Rapid data transfer
Software-free data transfer.

USB connection to PC instantly recognises the device as a drive location which facilitates the quick transfer of files using Windows Explorer or similar.

Direct data input via Bluetooth
Instantly transmit measured readings directly to programs such as MS Excel on your PC / tablet to greatly simplify the reporting process.

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Pass / fail parameters can be defined for instant identification of non-conformances.
The Novo-Gloss Flex 60 is supplied with 2 calibration standards for low and high gloss which gives increased accuracy and resolution for low gloss surfaces.

The calibration standards are magnetically enclosed which offers superior protection from contamination.

The standards are magnetically attached to the instrument measuring head to ensure repeatible calibration.

The instrument is supplied with:
1. Standard, replaceable if damaged.
2. Steel surface adaptor (magnetic) for increased repeatability for ferrous materials.

The magnetically attached measurement adaptor is removeable.

The measuring head is ultra lightweight with integrated measurement buttons for single handed operation.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>60° Universal angle – all gloss levels</th>
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<table>
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<tr>
<th>Measurement range:</th>
<th>GU</th>
<th>GUh</th>
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<tr>
<td>0-125 GU</td>
<td>0-125 GUh</td>
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<table>
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<tr>
<th>Resolution:</th>
<th>0.1 GU</th>
<th>0.1 GUh (0.01 GU)</th>
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<tr>
<td>Repeatability:</td>
<td>±0.2 GU</td>
<td>+/- 5 GUh (0.05 GU)</td>
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<tr>
<td>Reproducibility:</td>
<td>±0.5 GU</td>
<td>+/- 20GUh (0.2 GU)</td>
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**Standards:**
- ISO 2813, ISO 7668
- ASTM D523, ASTM D2457
- DIN 67530
- JIS 8741, JIS K 5600-4-7

**SAMPLE APPLICATIONS**

- Curved plastic parts
- Plastics Industry
- Automotive Interior
- Furniture

**MEASUREMENT HEAD**

Measurement of curved matt surface
**Included Accessories**

- Certified high and low gloss calibration tiles with certificates
- USB data cable
- Wrist strap
- Mini CD
  - Instruction manual
  - Bluetooth data app
  - Example Excel spreadsheets
  - Instrument calibration certificate
  - Instructional videos

**Extras**

**Free Extended Warranty**

**Free Light Source Warranty**

- Guaranteed for the life of the instrument

**Calibration and Service**

- Fast and economically service via our global network of accredited calibration and service centres. Please visit www.rhopointinstruments.com/support for detailed information.

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**Operation**

- Full colour easy to read screen
- Adjustable brightness
- 6 button touch sensitive interface

**Construction**

- Integrated calibration holder for error free calibration

**Measurement**

- Fast measurement
- Results batching with user definable names

**Statistical Analysis**

- Max, min, mean, S.D.

**Graphical Analysis**

- On board trend analysis

**Power**

- Rechargeable lithium ion
- 17+ hours operation
- 10,000+ readings per charge

**Memory**

- 8MB= >2000 readings
- User defineable alphanumeric batching

**Data Transfer**

- Bluetooth
- PC compatible
- USB connection, no software install required

**Measurement Area**

- 60°: 6mm x 12mm
- Operating Temperature: 15 - 40° C (60 - 104° F)
- Humidity: Up to 85%, non condensing

**Dimensions & Weight**

- Instrument: 80 x 150 x 35mm (H x W x D), 392g
- Measurement head: 60 x 110 x 28mm (H x W x D), 109g
- Packed weight: 1.6kg
- Packed dimensions: 110 x 280 x 220mm (H x W x D)
- Commodity code: 9027 5000

**Languages**

- 🇬🇧 English
- 🇫🇷 Français
- 🇹🇷 Türkçe
- 🇮🇹 Italiano
- 🇺🇸 English (US)