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RHOPOINT
NOVO-GLOSS 

Novo-Gloss Flex 60 and Flex 60-X

- Measures small footprint areas
- Measure curved and hard to reach surfaces
- Enhanced accuracy measurement of low gloss finishes (Flex 60 only)

Manufactured by Rhopoint Instruments in the United Kingdom



The Rhopoint Novo-Gloss Flex 60



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.

Novo-Gloss Flex 60

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. Custom measuring adaptors allow for repeatable measurement of parts with complex curves.

Novo-Gloss Flex 60-X

When Ultra-High precision in low-gloss applications is not needed, save on budget, not performance. The Novo-Gloss Flex 60-X offers a cost-effective way of measuring 60 degree gloss of small surface areas with curvature.

Standards

Both instruments comply to ISO 2813 and measurements made with these products are compatible with traditional glossmeters complying to these standards.

The Novo-Gloss Flex 60 and Flex 60-X can measure:

- 60° Gloss
- Small surface areas
- Curved surfaces
- Hard to reach surfaces



Why measure gloss?



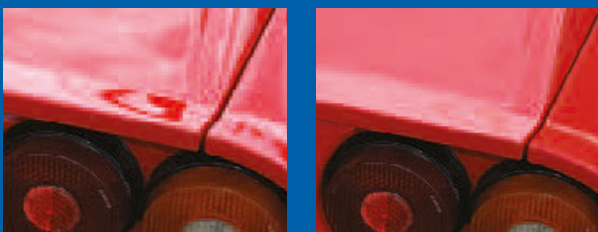
Gloss is an aspect of the visual perception of objects that is as important as colour when considering the psychological impact of products on a consumer.

Gloss has been defined as 'The attribute of surfaces that causes them to have a 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: from highly reflective car body panels to glossy magazine covers or matt finish automotive interior trim.

This is especially noticeable where parts may be produced by different manufacturers or factories but will be placed adjacent to one another to create the finished product.

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.

Features and Applications

Designed for the measurement of small and curved surfaces.



Touch sensitive button interface

Easy to control and
take measurements



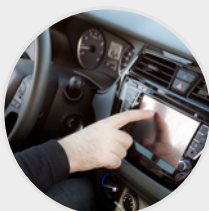
Easy batching

User definable batch names
and batch sizes for quicker
and more efficient reporting

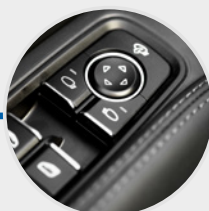


Automatic measurement

Single button push to
initiate a defined number
of measurements



Curved plastic
parts



Automotive
interior trim



Plastics
industry

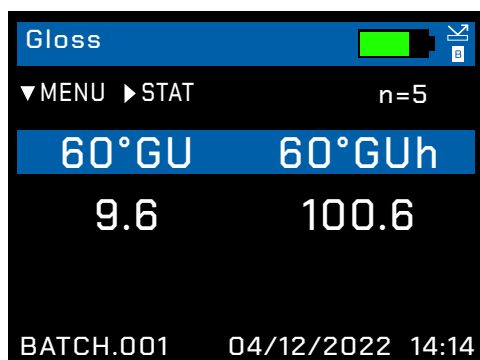


Furniture

The gloss measured by the Novo-Gloss Flex 60 allows the user to quantify and control the surface textures that reduce the perceived quality of manufactured products.

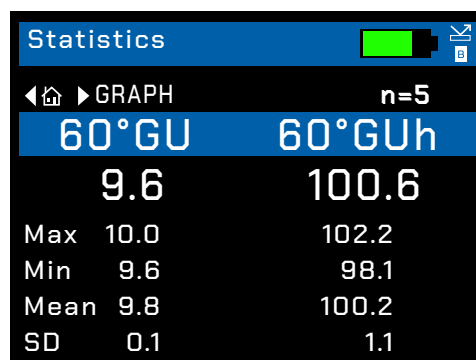
Measurement features

Fast measurement of all parameters. Full on-board statistics with graphical trend analysis and reporting (GUh values not available on Flex 60-X model).



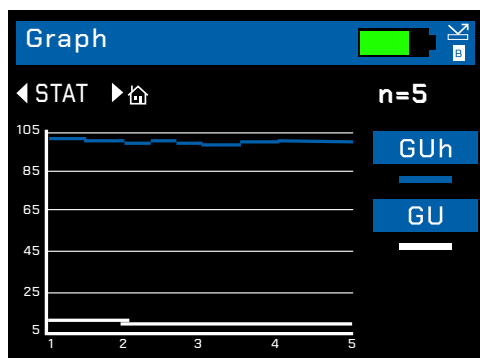
Measurement

Simultaneous measurement of all parameters, date and time stamped.



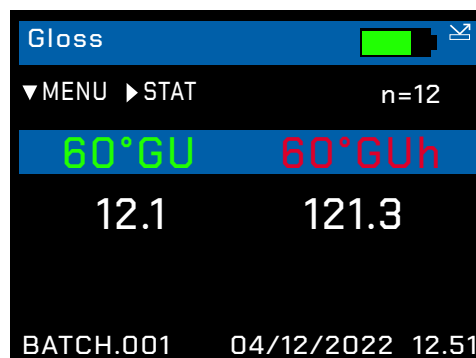
Statistics

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



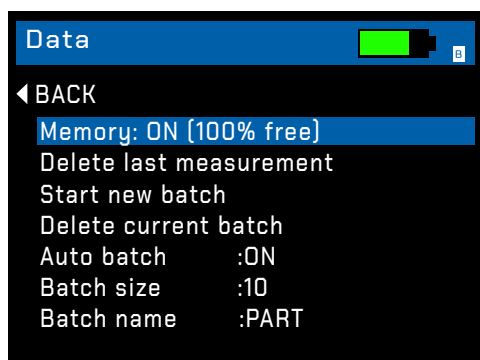
Graphs

Graphical reporting for quick trend analysis.



Pass / Fail Parameters

Pass / Fail parameters can be defined for instant identification of non-conformances.



Batch names

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

Measurement head*

The Novo-Gloss Flex 60 is supplied with interchangeable measurement adaptors.



The measuring head is ultra lightweight with integrated measurement buttons for single handed operation. Both adaptors can be replaced if they are damaged.



Measures curvature in a single direction



Measures ultra-matt finishes



Measures curvature in both directions



Measures small parts

**Not available on Flex 60-X model*

Custom measurement



The Rhopoint Novo-Gloss Flex 60 can be supplied with a custom measuring adaptor designed to match the exact geometry of the surface under test*.

By tailoring the contact area to the specific shape, the instrument maintains optimal alignment and positioning, even on components with complex curves, tight radii, or irregular profiles.

This customised approach not only improves repeatability, but also enhances confidence in the measurement data.

Operators can achieve consistent, reliable gloss readings across challenging surfaces such as moulded plastics, automotive trim, coated metal parts, and formed components.

The adaptor reduces positioning variability, minimises user influence, and supports robust quality control in both laboratory and production environments.

For manufacturers working with intricate or three-dimensional parts, specifying the correct measuring adaptor transforms the Flex 60 into a highly adaptable solution, ensuring accurate, repeatable gloss measurement exactly where it matters.

Accessories

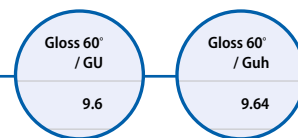
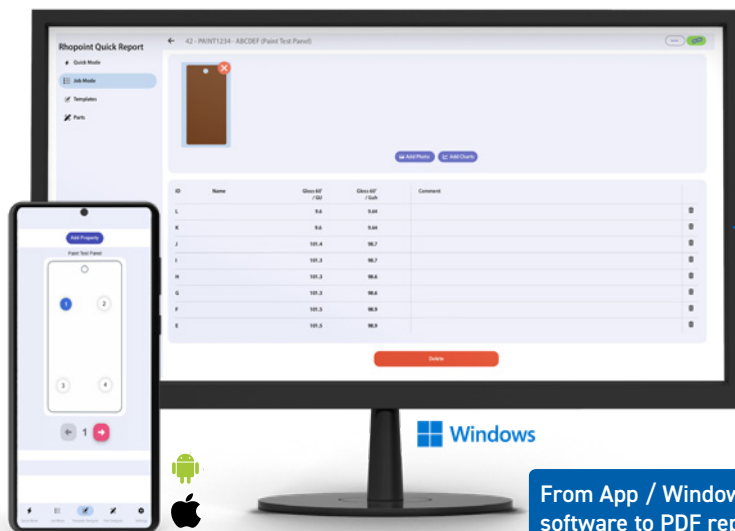
	Novo-Gloss Flex 60-X	Novo-Gloss Flex 60
Low gloss standard	-	✓
High gloss standard	✓	✓
Standard measuring adaptor	✓ (fixed)	✓
Steel surface measuring adaptor	-	✓
Calibration certificate for instrument and standards	✓	✓
USB Data cable	✓	✓



*Not available on the Novo-Gloss Flex 60-X

The Rhopoint Quick Report App

The Quick Report App from Rhopoint is a quick and easy to use reporting package designed to enhance the functionality & reporting capabilities of the Novo-Gloss Flex 60.



Values for all measured parameters
given per measurement spot

From App / Windows
software to PDF report



Inspection Experts
Inspection House
Check Street
IN59 ECT
www.inspectionexperts.rho
inspection@inspectionexperts.rho
01234 567890

REPORT

General information

Report Name:
42 - PAINT1234 - ABCDEF (Paint Test Panel)

Report Date:
2025-01-16 14:05:54

Serial number:
1006077 Rhopoint IQ
0000000 Rhopoint IQ

Part Name: Paint Test Panel

ID	Device	Spot #	Gloss 20° /GU	Gloss 60° /GU	Gloss 85° /GU	Comment
A	Novo-Gloss	1	98.2	97.5	99.5	---
B	Novo-Gloss	1	98.2	97.5	99.5	---
C	Novo-Gloss	1	98.1	97.5	99.4	---
D	Novo-Gloss	2	98.2	97.5	99.5	---
E	Novo-Gloss	2	98.1	97.5	99.5	---
F	Novo-Gloss	2	98.1	97.4	99.4	---
G	Novo-Gloss	3	98.1	97.5	99.4	---
H	Novo-Gloss	3	98.1	97.4	99.4	---
I	Novo-Gloss	3	98.1	97.4	99.4	---

ID	Device	Spot #	Gloss 60° /GU	Gloss 60° /Guh	Comment
A	Rhopoint IQ	1	106.6	105.3	---
F	Rhopoint IQ	1	106.7	105.3	---
G	Rhopoint IQ	1	106.5	105.3	---
H	Rhopoint IQ	1	106.5	105.3	---
I	Rhopoint IQ	1	106.6	105.3	---
J	Rhopoint IQ	1	106.6	105.3	---
K	Rhopoint IQ	1	106.5	105.3	---
L	Rhopoint IQ	1	106.5	105.3	---
B	Rhopoint IQ	2	90.5	94.9	---
C	Rhopoint IQ	2	90.6	94.9	---
D	Rhopoint IQ	2	90.6	94.9	---

ID	Gloss 60° /GU	Gloss 60° /Guh
#1 G	106.6	105.3
#1 Min	106.5	105.3
#1 Max	106.7	105.3
#1 Std. Dev	0.1	0.0
#2 G	90.5	94.9
#2 Min	90.5	94.9
#2 Max	90.5	94.9
#2 Std. Dev	0.0	0.0
#3 G	90.6	94.9
#3 Min	90.6	94.9
#3 Max	90.6	94.9
#3 Std. Dev	0.0	0.0
#4 G	90.6	94.9
#4 Min	90.6	94.9
#4 Max	90.6	94.9
#4 Std. Dev	0.0	0.0

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- 1 Configure a template of your sample to be tested and add measurement spots.
- 2 Make measurements directly into the app.

ID	Device	Spot #	Gloss 20° /GU	Gloss 60° /GU	Gloss 85° /GU	Comment
A	Novo-Gloss	1	98.2	97.5	99.5	---
B	Novo-Gloss	1	98.2	97.5	99.5	---
C	Novo-Gloss	1	98.1	97.5	99.4	---
D	Novo-Gloss	2	98.2	97.5	99.5	---
E	Novo-Gloss	2	98.1	97.5	99.5	---
F	Novo-Gloss	2	98.1	97.4	99.4	---
G	Novo-Gloss	3	98.1	97.5	99.4	---
H	Novo-Gloss	3	98.1	97.4	99.4	---
I	Novo-Gloss	3	98.1	97.4	99.4	---

- ✓ Simplify data collection & processing.
- ✓ Create custom templates.
- ✓ Add images.
- ✓ Create branded reports.



↓ app.rhopointinstruments.com

- 3 Readings are transferred from the measurement device to the app via Bluetooth allowing customised PDF reports to be easily generated.

The app will work on Android, IOS and a PC using web browser or application installation.

Specifications

Operation	Full colour easy to read screen. Adjustable brightness 6 button touch sensitive interface with measurement
Construction	Integrated calibration holders for error free calibration
Measurement	Fast measurement Results batching with user definable names
Graphical Analysis	On board trend analysis
Statistical Analysis	Max, min, mean, S.D.
Power	Rechargeable lithium ion - 14,000 readings per charge
Memory	8MB = 2950 readings

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

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

	GU	GUh
Measurement range	0-125 GU	0 -125 GUh (0-12.5 GU)
Resolution	0.1 GU	0.1 GUh (0.01 GU)
Repeatability	±0.2 GU	±0.5 GUh (0.05 GU)
Reproducibility	±0.5 GU	±2.0 GUh (0.2 GU)
Standards	ISO 2813, ASTM D523, ASTM D2457, DIN 67530, JIS Z 8741, JIS K 5600-4-7	

60°: Universal angle – all gloss levels **GUh:** Improved resolution for low gloss finishes (not available on Flex 60-X model)

Product codes	
Novo Gloss Flex 60	A4000-020
Novo Gloss Flex 60-X	A4000-021
Customer adaptor for Flex 60 (requires drawing of the part to be measured)	M4000-505

Free extended 2 year warranty: Requires registration at www.rhointinstruments.com within 28 days of purchase. Without registration, 1 year standard warranty applies.

Free light source warranty: Guaranteed for the life of the instrument.

Calibration and service: Fast and economical service via our global network of accredited calibration and service centres. Please visit www.rhointinstruments.com for detailed information.

Languages:        



TRY BEFORE YOU BUY

We offer three options for you to try out the Rhopoint Novo-Gloss Flex 60 before buying

- 1 Online demonstration:** Online presentation of the Rhopoint Novo-Gloss Flex 60 with your samples measured LIVE on Microsoft Teams. Includes a consultation with an application specialist.
- 2 Factory sample testing:** Send in samples of your material for testing and receive a comprehensive test report.
- 3 Test on premises:** Ask us for a live demonstration and test of the device at your premises (not available in all regions).

[Arrange a demo](#)

Ready to receive a quote?

[Click here](#)