

RHOPPOINT 

RHOPPOINT Flex 60 / Flex 20

Gloss
 RSpec
 Reflectance Haze
 RIQ/DOI



The Rhopoint FLEX Glossmeter with external measurement head

The Rhopoint IQ Glossmeter has been established as the reference instrument for measuring reflective appearance of paint and coatings, particularly in the automotive and marine coatings sectors. By measuring a complete goniophotometric curve, the instrument combines the measurement of gloss, reflectance haze and orange peel (DOI/RIQ values) in a single measurement.





The Rhopoint IQ FLEX 20/60 brings appearance measurement to a higher level, specifically designed for difficult surfaces or small parts. The small footprint of the IQ FLEX 20/60 sensor makes for easier measurement of curved surfaces and difficult to reach areas when compared to a conventional glossmeter.

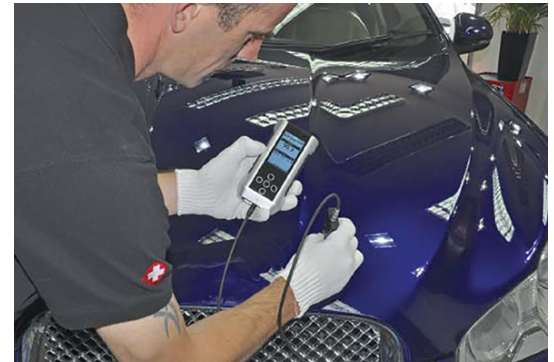
For improved performance and repeatability on even the smallest parts, the Rhopoint IQ FLEX 20 can be customized with magnetically attached adaptor plates.

Using 3D printing technology it is possible to create custom measuring jigs from the CAD diagrams of your components. These adapters can be easily interchanged for different applications:

- 3 measurement spot sizes available in Flex 20 (6mm, 4mm & 2mm) for small parts and curved surfaces
- Repeatable control of small parts and buttons
- Non-contact plates for in-line applications



Note: Flex 20 measurement area 6x6 mm. With optional adapters 2x2 mm & 4x4 mm measurement area.



Specifications	
Gloss	Resolution 0.1GU - Repeatability ± 0.2 GU - Reproducibility ± 0.5 GU Measurement range: FLEX 20: 0-2000GU / FLEX 60: 0-1000GU
RSpec	Peak Specular Reflectance: $20^\circ \pm 0.09905^\circ$ / Measurement range: 0-2000GU
Reflectance Haze	Near Specular Reflectance measured at $17.2-19^\circ$, $21-22.8^\circ$ Switchable between Haze Units (HU) and Log Haze Units (LogHU) Resolution 0.1HU - Repeatability ± 0.2 HU - Reproducibility ± 1.5 HU STANDARDS: ASTM E430, ISO 13803
RIQ (reflected image quality)	Resolution 0.1 - Repeatability ± 0.2 - Reproducibility ± 0.5 Measurement range: 0-100
DOI (distinctiveness of image)	Resolution 0.1 - Repeatability ± 0.2 - Reproducibility ± 0.5 Measurement range: 0-100 STANDARD: ASTM D5767
Gloss calibration standard	Traceability: BAM Traceable Uncertainty: 0.4GU
Measurement Area	FLEX 20°: 6mm x 6mm (4mm x 4mm & 2mm x 2mm with optional adapter) FLEX 60°: 6mm x 9mm (Note: appearance indices apart from gloss delivered by the FLEX 60 are a relative approximation as the mentioned standards are valid for 20° geometries only)