



KONICA MINOLTA

RHOPOINT 

A new FLEXibility
20° Glossmeter
Haze Meter
Goniophotometer



The Rhopoint FLEX Goniophotometer with external measurement head

The Rhopoint IQ Goniophotometer 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.

Giving Shape to Ideas

The Rhopoint IQ FLEX 20 brings this technology to a new format specifically designed for difficult surfaces or small parts, the small footprint of the IQ FLEX 20 sensor makes it much more effective on curved surfaces and difficult to reach areas than a conventional glossmeter.



For improved performance and repeatability on even the smallest parts, the Rhopoint IQ FLEX 20 can be customised 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 adaptors can be easily interchanged for different applications:

- Reduced measurement spot sizes (4 & 2mm) for small parts and curved surfaces
- Repeatable control of small parts, buttons and controls
- Non-contact plates for in-line applications

For delicate surfaces, adaptors can be specified with rubber, felt or plastic.

(Note: adaptor customization is only possible for the FLEX 20, not for the FLEX 60)

FLEX models are available for 20° (FLEX 20) or 60° (FLEX 60) angles.

Specifications	
Gloss	Resolution 0.1GU – Repeatability $\pm 0.2GU$ – Reproducibility $\pm 0.5GU$ 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°, 21–22.8° Switchable between Haze Units (HU) and Log Haze Units (LogHU) Resolution 0.1HU – Repeatability $\pm 0.2HU$ – Reproducibility $\pm 1.5HU$ 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 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)

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