

HORIBA

Gloss Checker

IG-330

**Measurement at
Amazing High Accuracy.
Available at Incredibly
Low Price.**

Only HORIBA, with its proven track record for developing innovative high-performance gloss meters, could offer the economical IG-330 gloss checker.

By defying conventional wisdom, HORIBA has once again led the way to produce a gloss checker that is not only incredibly inexpensive but also incredibly easy to use. Light, compact, and incorporating "one-touch" calibration, it's as simple as a pocket calculator. And it can be used at 20° in addition to the standard 60° measuring angle. The IG-330 brings gloss measurement one step closer to perfection.



The gloss checker that transforms ambiguous gloss into hard numbers.

Amazingly low price

The incredibly low price was made possible by integrating leading-edge technology and HORIBA's unique measurement technology in a broad range of fields, and by simplifying the production system and promoting mass production.

Incredibly easy to operate

Features "one-touch" calibration with no need to warm up. By just touching the measuring part to the sample, gloss value is displayed on a real-time basis. No technical skills are needed, so it is very easy to operate.

Hold key

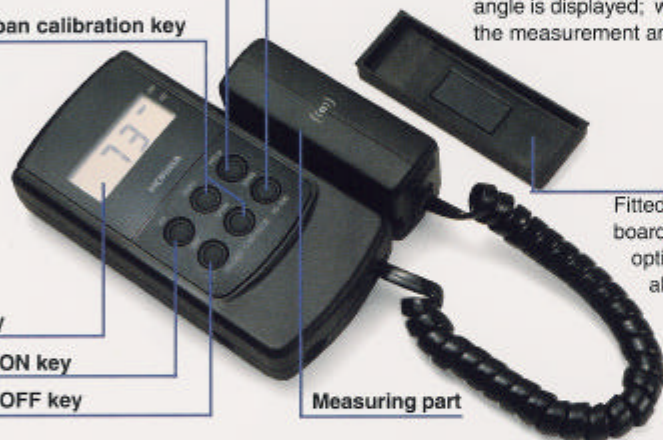
When pressed once, the display is held.

Zero/span calibration key

Display

Power ON key

Power OFF key

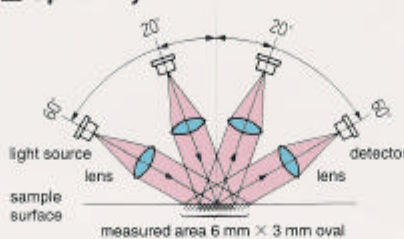


Measuring part

60°/20° measuring angle selection function

In addition to the standard 60° measuring angle, a 20° measuring angle is available for measuring high gloss surfaces (gloss exceeds 70).

Optical system



60°/20° selection key

When pressed once, the measurement angle is displayed; when pressed again, the measurement angle is changed.

Protective cap

Fitted with the calibration board inside, protects the optical system besides allowing calibration.

Ideal for a broad variety of applications

- Checking or diagnosing coated surfaces
- Checking building materials and finish
- Quality control of paint or ink
- Inspecting printed matter

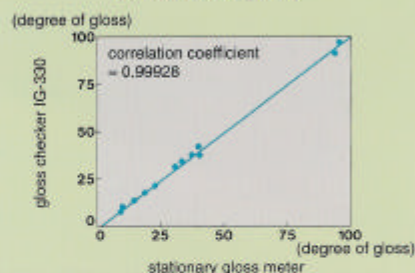
What is glossiness?

Gloss is a quantity that expresses the degree of reflection when light hits a surface. It is determined by comparing the strength of reflected light from the area being measured with that from the standard surface.

What are the standards for gloss?

At an incident angle of 60° on a glass surface with a refractive index of 1.567, 10% reflectance equals a gloss value of 100, and at an incident angle of 20°, about 5% reflectance is 100, according to JIS.

Example of measurement of ceramic tile gloss



The above graph shows the results of measuring ceramic tiles, widely used as the standard surface for the medium-gloss range (secondary standard surface) because of the stability of surface conditions. The IG-330 produces extremely precise values.

Specifications

Optical system	Incident angle 60° - Reception angle 20° Incident angle 20° - Reception angle 20°
Measurement area	6 mm × 3 mm oval
Light source	LED (wavelength 890 nm)
Light receiving part	SPD (silicone photodiode)
Measuring range	0 - 100 (resolution 1)
Display range	0 - 199
Reproducibility	± 5% FS ± 1 digit
Power source	A3 dry-cell battery × 4
Continued use time	15 hours or more
Dimensions	Main body: 140 (D) × 75 (W) × 34 (H) mm 6.5 (D) × 3.0 (W) × 1.3 (H) in
	Optical system: 88 (D) × 30 (W) × 45 (H) mm 3.5 (D) × 1.2 (W) × 1.8 (H) in
	Functions
	"One-touch" calibration, Auto power off, Display hold

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