

# HORIBA

Process & Environmental

N E W

Handy Gloss Checker

IG-340

## Instant Gloss Measurement on Site



IP42



CE marking compliant



The new gloss checker IG-340 is user-friendly for measurement on site, easy to read with large display. The IG-340 can be used in a wide range of fields with easy data output via USB connection.

### Used for...



Car wash, waxing, coating



Cleaning and maintenance for buildings



Cleaning solar panels



Appearance check for furnitures



Appearance check for building materials



Checking cleaning performance



Inspection for stone polishing

## Enhanced Functions and Easy Use on Site

### ■ Compact, Lightweight and Easy Operation

30% smaller than the previous model (the IG-320). Easy to hold and carry by one hand. Gloss values can be easily managed on site with one button one function operation.



### ■ Large Screen Display

Indicated values can be easily confirmed when the IG-340 is placed on the floor during floor cleaning and maintenance work.



### ■ Environmental Rating

IP (Ingress Protection) rates as IP42\*. Can be used for outdoor gloss measurement such as construction sites, solar panels, ships, trains and buses. Also can be used for stone polishing and other applications where water drops are present.



### ■ Internal Memory for Measured and Average Values

Measured values can be saved with a single touch. Easy operation with one hand using the side button is also available. Average value can be calculated and saved too.

### ■ Easy Data Output

Data transfer to PC via USB cable.



\*Equivalent to IP42 when battery cover and USB cover are closed.

IP42 means protection against solid objects of 1 mm diameter and greater, and vertically falling water drops when enclosure is tilted up to 15 degrees.

Wiping off water drops on the measuring spots are necessary in order to obtain accurate value.

**CALRIGHT INSTRUMENTS**

The Right Source For Your Test & Measurement Needs

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Email: sales@calright.com <http://www.calright.com>

## Specification

<b>Measurement range</b>	0.0 to 100.0
<b>Display range</b>	0.0 to 199.9 [OVER] is displayed for values greater than 100.0
<b>Repeatability*1</b>	±0.6 (±0.5% of full scale ±1 digit)*2
<b>Measurement area</b>	6 × 12 mm of ellipse
<b>Measurement geometry</b>	60°
<b>Light source</b>	LED (880 nm)
<b>Operating temperature</b>	0 to 40°C
<b>Relative humidity</b>	35 to 85%RH (no condensation)
<b>Environmental rating</b>	IP42
<b>Power supply</b>	AA battery x 2
<b>Dimensions</b>	61 (W) × 62 (D) × 176 (H) mm
<b>Weight</b>	320 g or less (including batteries and protective cover)
<b>Functions</b>	<ul style="list-style-type: none"> <li>• Auto power off (10 minutes)</li> <li>• Memory: 100 readings and 200 average data with date and time</li> <li>• Data output to PC via USB cable (Batch output of memory data, OS: Windows®10)*3</li> </ul>
<b>Accessories*4</b>	<ul style="list-style-type: none"> <li>• Protective cover with integrated calibration tile (3200840869)</li> <li>• Soft case (3200829076)</li> <li>• Lens cleaning cloth (3200829127)</li> </ul>

\*1: Variation in values when repeated measurement are done continuously in a short time under the same condition.

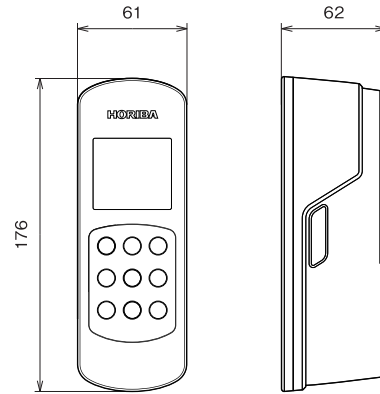
\*2: Full scale 100.0

\*3: Please use a micro USB cable.

"Windows" is a registered trademark or trademark of Microsoft Corporation in the U.S. and other countries.

\*4: Battery and USB cable are not included.

## External Dimensions (mm)



## Accessories



**Protective cover**  
(with integrated calibration tile,  
3200840869)



**Soft case**  
(3200829076)

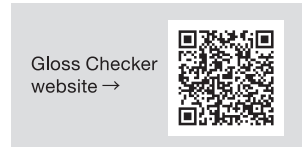
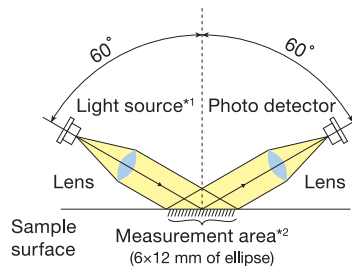


**Lens cleaning cloth**  
(3200829127)

## Measurement standard for gloss value

When the incident light beam angle  $\theta$  is fixed, the specular reflectance is determined by  $\theta$  and the refractive index of the object to be measured. In the measurement of glossiness, the gloss value is defined as a specular reflectance value of a special glass which refractive index is 1.567 can be displayed as 100.

In the IG-340 is used very common incident angle  $\theta=60^\circ$  and specular reflectance of the special glass is 10%. Therefore, this reflectance of 10% is displayed as glossiness 100.



\*1 IR LED (HORIBA's original method) is adopted as the light source.  
\*2 The measuring spot must be flat as gloss is measured by the reflection of light.

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**⚠ Please read the operation manual before using this product to assure safe and proper handling of the product.**

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