

# Gloss Meter VG 7000

**NDK**  
**NIPPON**  
Advanced Technology in Color and Brightness.  
**DENSHOKU**



This gloss meter is suitable for quality management for paper, metal plate, plastics, vinyl and glass which have gloss. The light source is white LED, which is long lived and makes it possible to measure the sample simultaneously at the five angles 20°, 45°, 60°, 75° and 85°.

## Features

1. The measurement angles can be seen at a glance, thanks to the LED lamp at the full-height panel in the body.
2. The foot switch is the standard equipment.
3. In accordance with ISO 8254-1 and JIS P 8142, "Paper and Board Measurement of specular gloss" Part 1 : 75 degree gloss with a converging beam, TAPPI method.
4. In accordance with ISO 8254-3, "Paper and Board Measurement of specular gloss" Part 3 : 20 degree gloss with a converging beam, TAPPI method.
5. In accordance with JIS Z 8741, 20 degree gloss with a parallel beam.

## Specifications

<b>Dimensions</b>	W 483mm x D 157mm x H 240mm	<b>Measuring time</b>	1 angle : Approx. 1 second 2 angles : Approx. 2 seconds 5 angles : Approx. 4 seconds
<b>Weight</b>	Approx. 13kg	<b>Measurement accuracy</b>	<ul style="list-style-type: none"> <li>• Gloss degree : within 0.1% where 30 minutes later after turning on the power, 20 times of measurements are made at 10 seconds interval at 23°C in airspace against a standard white plate and repeatability is checked.</li> <li>• Gloss degree : within 1% where 30 minutes later after turning on the power, 10 hours of measurements are made at 1 minute interval at 23°C in airspace against a standard white plate and repeatability is checked.</li> </ul>
<b>Power supply</b>	100V to 240V AC, 50 / 60Hz	<b>Display device</b>	PC or Control unit (CU-1)
<b>Power consumption</b>	20W	<b>Interface</b>	Connection via RS-232C
<b>Light source</b>	White LED	<b>Use Environment</b>	10°C to 40°C, 30 to 80% R.H. No dew Condensation
<b>Light receiving element</b>	Fast-reponse silicon photosel		
<b>Measuring angle</b>	20° - 20° : JIS Z 8741 or ISO 8254-3 45° - 45° : JIS Z 8741 60° - 60° : JIS Z 8741 75° - 75° : JIS Z 8741 or ISO 8254-1 , JIS P 8142 85° - 85° : JIS Z 8741		
<b>Measuring range</b>	20° : Gloss degree 0.1 to 2038 45° : Gloss degree 0.1 to 1675 60° : Gloss degree 0.1 to 1000 75° : Gloss degree 0.1 to 378 85° : Gloss degree 0.1 to 162		
<b>Measuring aperture</b>	14mm x 45mm		