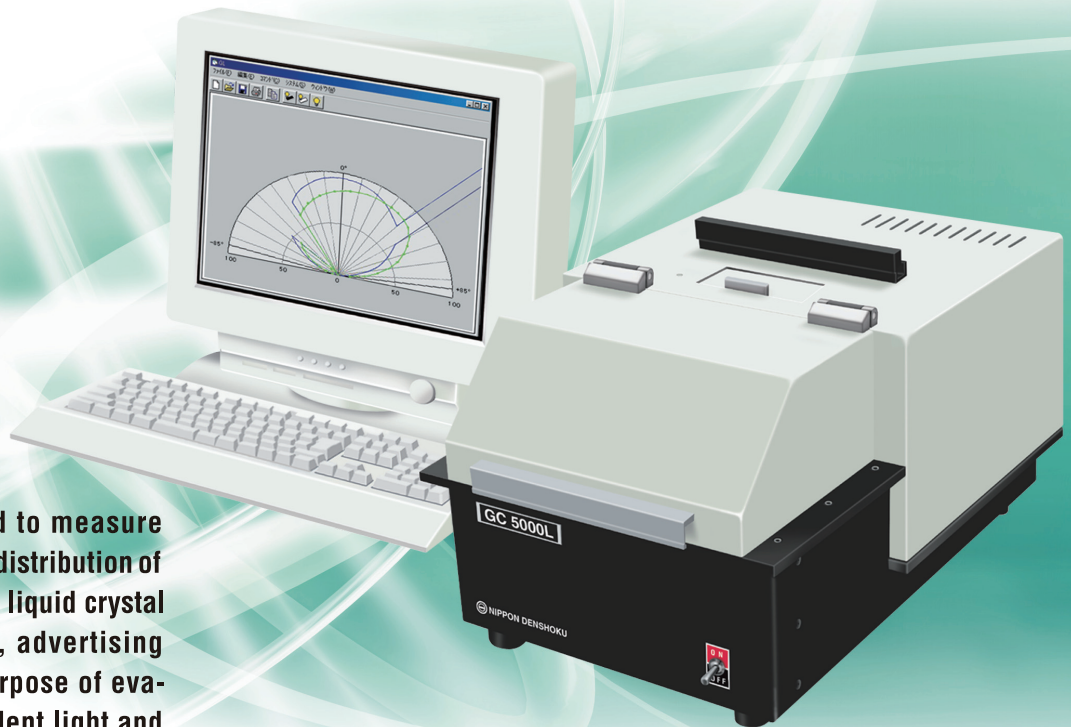


# Goniophotometer GC 5000L



This instrument is used to measure reflected or transmitted distribution of light that is emitted from liquid crystal displays, light fixtures, advertising displays, etc., for the purpose of evaluating diffusion of incident light and visual feeling of samples, including the ones with some special surfaces.

## Features

1. By automatically varying an angle of a light receiving unit, measurements of light distribution are made for each angle for the range of  $\pm 80^\circ$  at  $1^\circ$  interval against a sample's normal line.
2. Transmittance measurements are also possible by  $180^\circ$  incident light from a light emitting unit.
3. You can enjoy simple operation using an exclusive control software.
4. Measurement data by text output (csv file format) can be used by spreadsheet software.
5. You can measure diffused distribution of reflected or transmitted light from a light diffusing plate and metallic colored surface, etc.

## Specifications

<b>Dimensions</b>	W 340mm x D 520mm x H 310mm	<b>Light emitting angle</b>	Reflectance measurement : $0^\circ$ to $70^\circ$ at $5^\circ$ interval (manual setting) Transmittance measurement : $180^\circ$
<b>Light source</b>	Halogen lamp, 12V 50W	<b>Light receiving element</b>	Silicon photo diode
<b>Luminous flux</b>	Approx. 3mm	<b>Filter</b>	Filter for visual feeling
<b>Light receiving angle</b>	$-85^\circ$ to $+85^\circ$ , provided that sample's normal line is $0^\circ$ . (It is, however, impossible to measure at the light emitting angle of $\pm 10^\circ$ ) It is possible to specify any arbitrary angle up to 10 angles.	<b>Sample size</b>	Minimum : 30mm x 30 mm Maximum : 110mm x 160mm
<b>Measuring interval</b>	To be specified from $1^\circ$ , $2^\circ$ , $3^\circ$ , $4^\circ$ , $5^\circ$	<b>Interface</b>	Connection via RS-232C

※No personal computer is included in the supply of this model, so procure it separately.