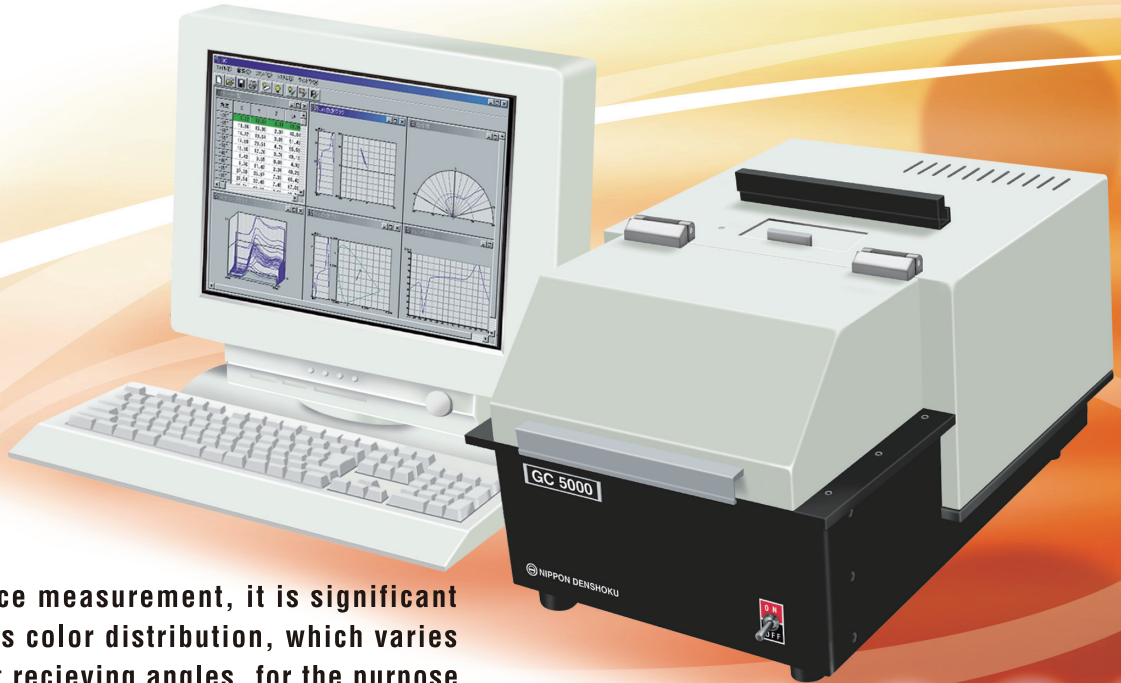


Goniophotometer GC 5000

NDK
NIPPON
Advanced Technology in Color and Brightness.
DENSHOKU



For color difference measurement, it is significant to know a sample's color distribution, which varies depending on light receiving angles, for the purpose of analyzing the nature of an object color. Using this GC 5000, you can measure spectral reflectance of your samples at each angle by automatically varying light receiving angles.

Features

1. By automatically varying an angle of a light receiving unit, spectral reflectance at each angle can be measured for the range of $\pm 80^\circ$ against a sample's normal line at 5° interval.
2. Transmittance measurement is also possible by having a light emitting unit operated at 180° angle of incidence.
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. Measurements of metallic and pearled colors are possible.
6. Spectrophotometric measurements at variable angles are possible for the range of 400nm to 700nm.

※Another model for 3-dimensional measurement is also available.

Specifications

Dimensions	W 340mm x D 520mm x H 310mm	Light emitting angle	Reflectance measurement : 0° to 70° at 5° interval (manual setting) Transmittance measurement : 180°
Light source	Halogen lamp, 12V 50W	Light receiving element	Silicon photo diode
Measuring method	Total wavelength simultaneous compensation	Filter	Interference filter (400nm to 700nm at 20nm interval)
Luminous flux	Approx. 5.8mm	Sample size	Minimum : 30mm x 30 mm Maximum : 180mm x 220mm
Light receiving angle	-80° to $+80^\circ$,provided that sample's normal line is 0° . (It is, however, impossible to measure at the light emitting angle of $\pm 10^\circ$)	Interface	Connection via RS-232C
Measuring interval	5° for automatic feeding		

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