

GV-H1000L

Sensor Head Ultra-long-distance Type

CE

*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

Specifications

Model			GV-H1000L
Type			Ultra long-range
Light source			Visible semiconductor laser, Wavelength: 655 nm
Laser class	FDA (CDRH) Part 1040.10		Class 1*1 (220 µW)
	IEC 60825-1		Class 1 (220 µW)
	JIS C6802		
Detection distance (Amplifier display)			200 to 1000 mm 7.87" to 39.37" (800 to 0)*2)
Possible display range			810 to -175
Standard detection deviation			20 mm 0.79" (Detection distance 200 to 800 mm 7.87" to 31.5") 30 mm 1.18" (Detection distance 800 to 1000 mm 31.5" to 39.37")
Spot diameter			Approx. ø1.8 mm ø0.07" (Detection distance 1000 mm 39.37")
Operation status indicators			Control output: Red LED/Laser radiation emission indicator: Green LED/1 spot indicator: Green LED
Environmental resistance	Enclosure rating		IP67
	Operating ambientluminance	Incandescent lamp	2500ℓx
		Sunlight	5000ℓx lux*3
	Ambient temperature		-10 to +50 °C 14 to 122 °F (No freezing)
	Relative humidity		35 to 85 % RH (No condensation)
	Vibration resistance		10 to 55 Hz, Double amplitude 1.5 mm 0.06", 2 hours in each of the X, Y, and Z axis
Material			Housing material: PBT, Display: Polyarylate, Metal: SUS304, Lens cover: Glass, Cable: PVC
Weight			Approx. 210 g*4

*1 The laser classification for FDA (CDRH) is implemented based on IEC 60825-1 in accordance with the requirements of Laser Notice.
*2 General guideline for amplifier display values relative to detection distance (when distance display mode is set to normal).
*3 Incandescent lamp: 2500 lux, Sunlight: 1500 lux for GV-H1000L (When the response time is set to 10 ms or faster)
*4 Including 2 m 6.6' connector cable (3 m 9.8' cable for GV-H1000)

Dimensions

* Download CAD file or product manual for larger image/text and more detail.

GV-H1000/GV-H1000L

