

GV-H45L

Sensor Head Short-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-H45L
Type			Short-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)			20 to 45 mm 0.79" to 1.77" (250 to 0)*2)
Possible display range			259 to -34
Standard detection deviation			0.5 mm 0.02"
Spot diameter			Approx. ø0.1 mm ø0.004" (Detection distance 45 mm 1.77")
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	5000ℓx
		Sunlight	10000ℓx
	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. 120 g*3

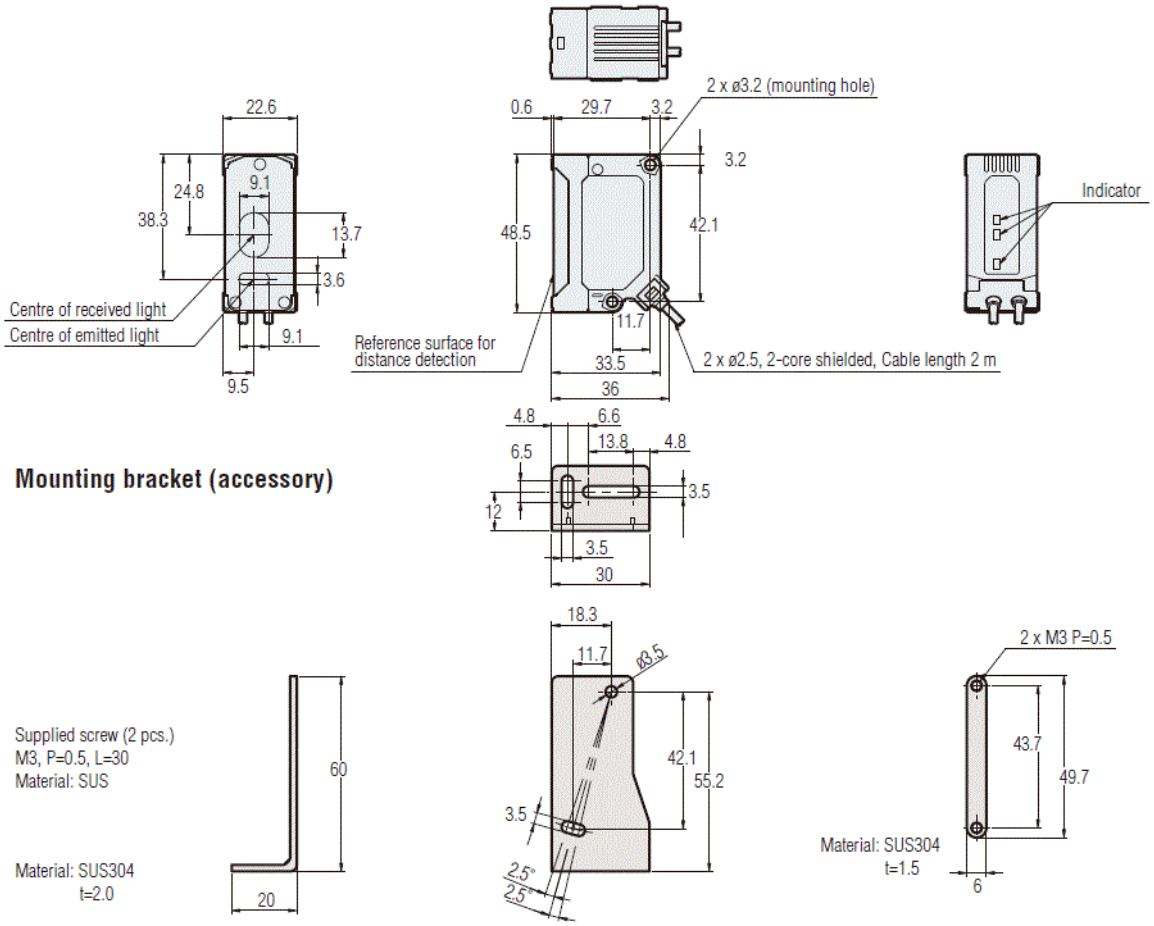
*1 The laser classification for FDA (CDRH) is implemented based on IEC 60825-1 in accordance with the requirements of Laser Notice.
*2 General guideline for amplifier display values relative to detection distance (when distance display mode is set to normal).
*3 Including 2 m 6.6' connector cable (3 m 9.8' cable for GV-H1000)

Dimensions

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

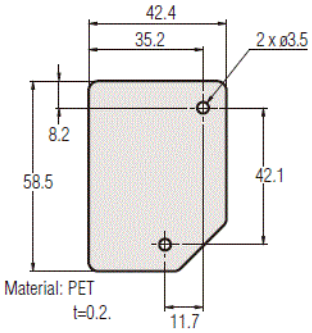
SENSOR HEAD

GV-H45/GV-H45L

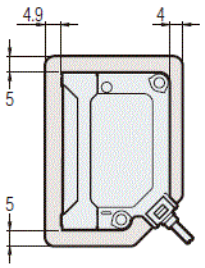


Mounting bracket (accessory)

Insulation sheet (accessory)



When the insulation sheet is attached



When the mounting bracket is attached

