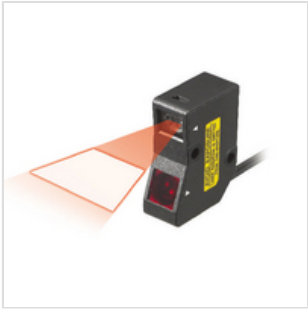




LV-H47

Reflective Sensor Head, Area Type, Area Limited



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

 This model has been discontinued.
Compliance with the certification standard is ensured as of the time of shipment from our company.

Contact Us: 1-888-539-3623

Recommended Replaceable Products: [Sensor head, Diffuse-reflective model, Area type Definite-reflective - LV-NH47](#)

Specifications

Model		LV-H47
Type		Area definite reflective
FDA (CDRH) Part 1040.10		Class II
Light source		Visible red semiconductor laser
Wavelength		660 nm
Detecting distance	FINE	55 to 85 mm 2.17" to 3.35"
	TURBO	
	SUPER	
Environmental resistance	Ambient temperature	-10 to +55 °C 14 to 131 °F (No freezing)
	Relative humidity	35 to 85 % RH (No condensation)
Material	Case	Glass reinforced plastic
	Lens cover	Glass *1
Weight		Approx. 45 g

*1 The LV-H47 and the LV-H42 receivers are polyarylate.

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

LV-H37_dimension_01.gif

12.4

2-ø3.2 mounting hole

14

8

16

7.5

70±15

6.2

Reference position for measurement

(12)

Centre of emitted light

6.2

18.5

34.5

Centre of received light

2 x ø1.7, 1-core shielded, Cable length: 2m,

Technical drawing of the 1000 Series Hydraulic Hose End Fitting. The drawing includes two views: a side view (top) and a front view (bottom). Dimensions are provided in millimeters.

Side View Dimensions:

- Overall height: 12.5 ± 5
- Distance from top to center of fitting: 16
- Thread specification: 2-M3 $\times$ 18

Front View Dimensions:

- Overall width: 36.7
- Distance from center to side flange: 26.9
- Distance from center to side flange (inner): 8.4
- Distance from center to side flange (outer): 9.7
- Distance from center to side flange (inner, bottom): 20.7
- Distance from center to side flange (outer, bottom): 14.7
- Distance from center to side flange (inner, bottom, right): 10
- Distance from center to side flange (outer, bottom, right): 10
- Distance from center to side flange (inner, bottom, right, right): 3.5
- Distance from center to side flange (outer, bottom, right, right): 3.5
- Distance from center to side flange (inner, bottom, right, right, right): 16
- Distance from center to side flange (outer, bottom, right, right, right): 33
- Distance from center to side flange (inner, bottom, right, right, right, right): 10
- Distance from center to side flange (outer, bottom, right, right, right, right): 10
- Distance from center to side flange (inner, bottom, right, right, right, right, right): 3.5
- Distance from center to side flange (outer, bottom, right, right, right, right, right): 3.5
- Distance from center to side flange (inner, bottom, right, right, right, right, right, right): 10
- Distance from center to side flange (outer, bottom, right, right, right, right, right, right): 10
- Distance from center to side flange (inner, bottom, right, right, right, right, right, right, right): 3.5
- Distance from center to side flange (outer, bottom, right, right, right, right, right, right, right): 3.5

Technical drawing of the 'Accessories' for the 1000 Series, showing three components with dimensions in millimeters (mm):

- Top Flange:** A rectangular plate with a central hole (diameter 33 mm) and a smaller central hole (diameter 24 mm). The overall width is 33 mm, and the height is 12.5 mm. The distance from the top edge to the center of the smaller hole is 3.5 mm. The distance from the center of the smaller hole to the center of the larger hole is 10 mm.
- Vertical Support:** A U-shaped bracket with a central hole (diameter 8 mm) and a smaller central hole (diameter 8 mm). The overall width is 8 mm, and the height is 16 mm. The distance from the top edge to the center of the smaller hole is 3.5 mm. The distance from the center of the smaller hole to the center of the larger hole is 10 mm. The distance from the center of the larger hole to the bottom edge is 10 mm. The distance from the center of the larger hole to the side edge is 8 mm. The distance from the center of the larger hole to the bottom edge is 10 mm. The distance from the center of the larger hole to the side edge is 8 mm. The distance from the center of the larger hole to the bottom edge is 10 mm. The distance from the center of the larger hole to the side edge is 8 mm.
- Base Plate:** A rectangular plate with a central hole (diameter 17.9 mm) and a smaller central hole (diameter 17.9 mm). The overall width is 23.9 mm, and the height is 17.9 mm. The distance from the top edge to the center of the smaller hole is 17.9 mm. The distance from the center of the smaller hole to the center of the larger hole is 17.9 mm. The distance from the center of the larger hole to the bottom edge is 17.9 mm. The distance from the center of the larger hole to the side edge is 17.9 mm. The distance from the center of the larger hole to the bottom edge is 17.9 mm. The distance from the center of the larger hole to the side edge is 17.9 mm. The distance from the center of the larger hole to the bottom edge is 17.9 mm. The distance from the center of the larger hole to the side edge is 17.9 mm.

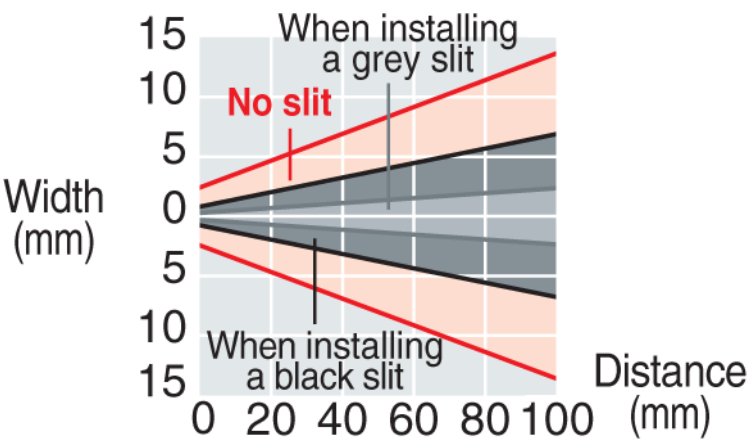
* Accessory screws
M3×18··2 pieces

2-M3, P=0.5
Material Stainless steel
t=1.5

Characteristic

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

Characteristics of detecting distance and area width (typical example)



Characteristics of received light quantity and distance (typical example)

