

High performance CMOS Laser Displacement Sensors

HL-G112

- Measurement center distance: 120 mm **4.724 in**
- Measurement range: ± 60 mm **± 2.362 in**
- Resolution: 8 μm **0.315 mil**

HL-G108

- Measurement center distance: 85 mm **3.346 in**
- Measurement range: ± 20 mm **± 0.787 in**
- Resolution: 2.5 μm **0.098 mil**



HL-G105

- Measurement center distance: 50 mm **1.969 in**
- Measurement range: ± 10 mm **± 0.394 in**
- Resolution: 1.5 μm **0.059 mil**

HL-G103

- Measurement center distance: 30 mm **1.181 in**
- Measurement range: ± 4 mm **± 0.157 in**
- Resolution: 0.5 μm **0.02 mil**

Fast

Setup is fast and efficient by using the built-in digital display to set measurement parameters such as sampling cycle and output options.

Compact

The HL-G1 series features a compact design despite its built-in controller and digital readout. Thanks to our miniaturization technology, it can easily be installed on robot arms and in confined spaces.

User-friendly

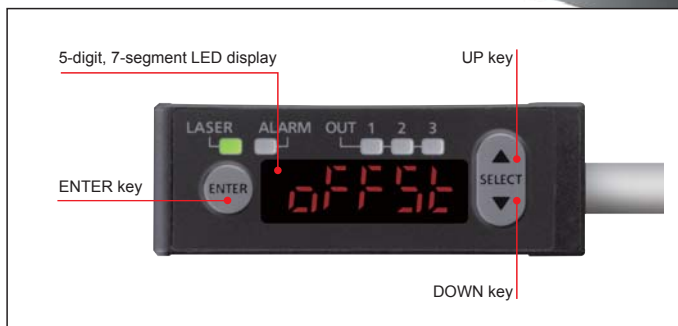
The HL-G1 series now features a user-friendly interface that offers improved ease of use when operating via computer software or HMI unit for more sophisticated operation and analysis.

Fast

A variety of high-end functions are included in a

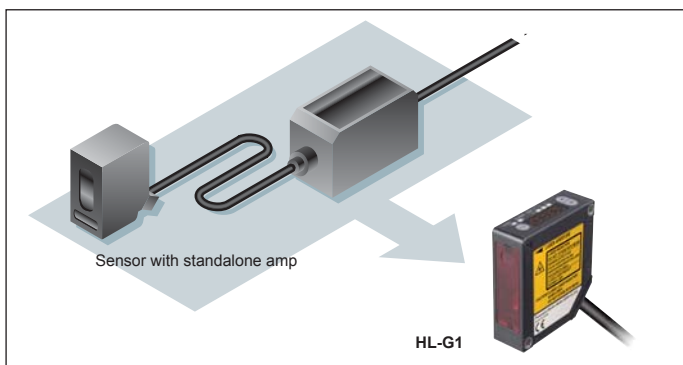
Easy configuration using the digital display

The built-in digital display makes it easy to configure sensor operation while checking displacement values.



Easy to embed in machines and production lines thanks to a built-in controller

As a self contained sensor, the HL-G1 series offers a space saving configuration by removing the need for an external controller.



I/O to accommodate multiple needs

Timing input and multi input

In addition to timing input select the desired input according to your application:

- Zero set on/off
- Laser control
- Reset
- Teaching

Featuring 3 outputs and an analog 2 outputs

With three outputs, the HL-G1 can be used to generate HI/GO/LOW judgment output or alarm output. The analog output can be used in both current and voltage modes.