

# High performance CMOS Laser Displacement Sensors

## HL-G112

- Measurement center distance: 120 mm **4.724 in**
- Measurement range:  $\pm 60$  mm  **$\pm 2.362$  in**
- Resolution: 8  $\mu\text{m}$  **0.315 mil**

## HL-G108

- Measurement center distance: 85 mm **3.346 in**
- Measurement range:  $\pm 20$  mm  **$\pm 0.787$  in**
- Resolution: 2.5  $\mu\text{m}$  **0.098 mil**



## HL-G105

- Measurement center distance: 50 mm **1.969 in**
- Measurement range:  $\pm 10$  mm  **$\pm 0.394$  in**
- Resolution: 1.5  $\mu\text{m}$  **0.059 mil**

## HL-G103

- Measurement center distance: 30 mm **1.181 in**
- Measurement range:  $\pm 4$  mm  **$\pm 0.157$  in**
- Resolution: 0.5  $\mu\text{m}$  **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

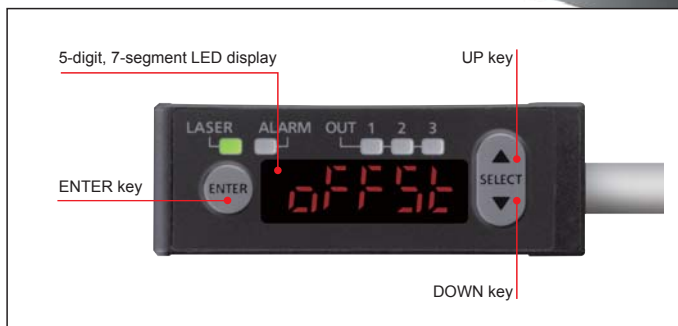
The HL-G1 series now features a user-friendly interface that offers improved ease of use when operating via computer software or HMI unit for more sophisticated operation and analysis.

# Fast

A variety of high-end functions are included in a

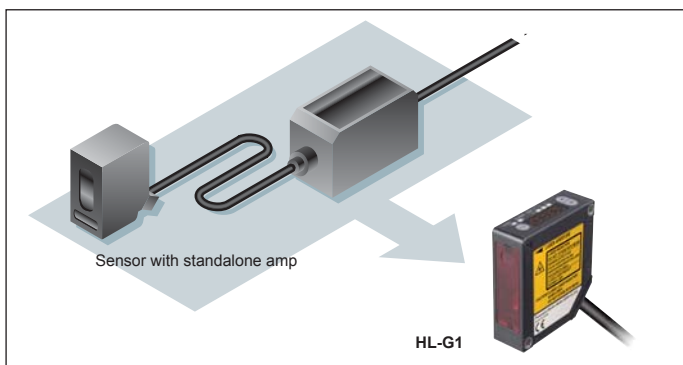
## Easy configuration using the digital display

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.