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

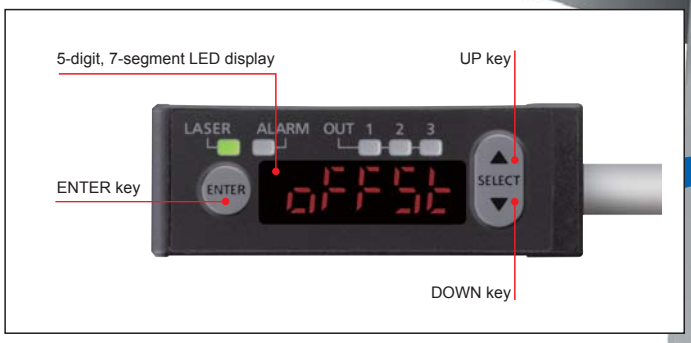
The HL-G1 series now features a user-friendly interface that offers improved ease of use when operating via computer software or HMI unit for more sophisticated operation and analysis.

Fast

A variety of high-end functions are included in a

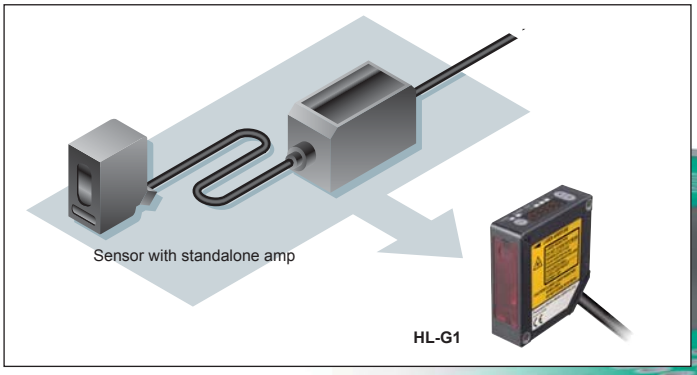
Easy configuration using the digital display

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

Inaddition to timing input select the desired input according to your application:

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