

HL-G1 Series Line Extension Compact Laser Displacement Sensor



Laser Displacement Sensors Now with Specular and Long Range Models!

Panasonic, a world leader in Industrial Automation Products, introduces the expansion of the **HL-G1 Series** Laser Displacement Sensor product line. This series now features three specular reflection models as well as a new long-range model that can perform diffuse reflection measurements up to $250\text{mm} \pm 150\text{mm}$. With this expansion, the **HL-G1 Series** now boasts eight different measurement ranges for a complete suite of laser measurement options in a compact, self-contained package.

Features

- Long-Range Detection (up to $250\text{mm} \pm 150\text{mm}$)
- Diffuse and Specular Reflection Types (8 Different Models)
- As High as $0.5\mu\text{m}$ Resolution and $20\mu\text{s}$ Sampling Rate
- Built-In Digital Display and RS-485*
- RoHS Compliant

*High Functionality Type

Benefits

- Measures Large Travel Distances
- Measures Shiny or Mirrored Surfaces
- No Controller Needed for Programming or Operation
- Free Software Package for Remote Usage

Industries

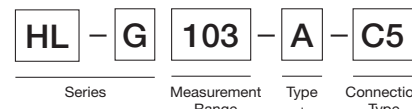
- Electronics
- Packaging
- Semiconductor

Applications

- Measuring Circuit Board Warpage
- Slack Control for Material Webs
- Semiconductor Wafer Positioning

Part Number Information

Diffuse Reflective Type



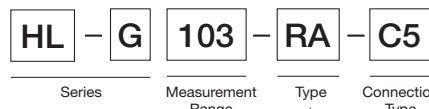
Value	Meas. Center	Range
103	30mm	$\pm 4\text{mm}$
105	50mm	$\pm 10\text{mm}$
108	85mm	$\pm 20\text{mm}$
112	120mm	$\pm 60\text{mm}$
125	250mm	$\pm 150\text{mm}$

A	Std. Type	C5	5M Cable ¹
S	High Function	A-J05	0.5M Pigtail ²

¹Std. Type Only

²High Function Type Only

Specular Reflective Type



Value	Meas. Center	Range
103	26.3mm	$\pm 2\text{mm}$
105	47.3mm	$\pm 5\text{mm}$
108	82.9mm	$\pm 10\text{mm}$

RA	Std. Type	C5	5M Cable ¹
RS	High Function	A-J05	0.5M Pigtail ²

¹Std. Type Only

²High Function Type Only