

## 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

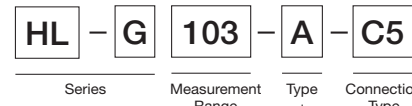
- Electronics
- Packaging
- Semiconductor

#### Applications

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

#### Part Number Information

##### Diffuse Reflective Type



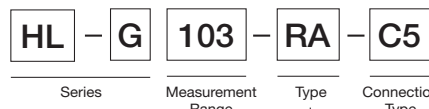
Value	Meas. Center	Range
103	30mm	$\pm 4\text{mm}$
105	50mm	$\pm 10\text{mm}$
108	85mm	$\pm 20\text{mm}$
112	120mm	$\pm 60\text{mm}$
125	250mm	$\pm 150\text{mm}$

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

<sup>1</sup>Std. Type Only

<sup>2</sup>High 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 <sup>1</sup>
RS	High Function	A-J05	0.5M Pigtail <sup>2</sup>

<sup>1</sup>Std. Type Only

<sup>2</sup>High Function Type Only