



INNOVATION. **PRECISION.** EXCELLENCE.



System Specifications

Laser Class

Class 2

Spot Diameter

1.100 mm (0.043 in) at optimum distance

Sensing Element

Photoelectric array

Laser Source

Semiconductor laser <1 mW, 670 nm (red)

Measuring Range

50 mm - 150 mm
(1.97 in - 5.91 in)

Resolution (matte white ceramic)

0.01 mm
(0.0004 in)

Linearity Error (matte white ceramic)

+/- 0.120 mm
(0.005 in)

Wavelength

670 nm

Response Time

<10 ms

PVA-SMT-LHS

Non-Contact Laser Height Sensor

PVA's non-contact laser height sensor provides accurate target distance measurements using reflective laser triangulation. The laser features a wide 50 mm to 150 mm operating range and excellent resolution (0.01 mm) across various substrate colors and finishes. The laser sensor can verify substrate height and automatically adjust the path program to account for slight variations due to warping or manufacturing defects.

The laser height sensor comes complete with:

- Non-contact height sensing of delicate substrates
- Accurate over numerous substrate colors and finishes
- 46 mm x 30 mm x 20 mm IP 65 enclosure with quick disconnect
- Response time under 10 milliseconds
- Real time data logging capability with time stamp

For more information, please contact PVA at info@pva.net or contact your local representative.

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