

# Keyence IL-300

Model: IL-300

Brand: Keyence

Series: IL series

CMOS laser displacement sensor head, long-range reflective type.

## — Hardware —

Sensor type: CMOS laser displacement sensor head (triangulation, reflective)

Reference distance: 300 mm

Measurement range: 160 to 450 mm

Light source: Red semiconductor laser, wavelength 655 nm (visible light)

Laser output: 560  $\mu$ W

Laser class: Class 2 (IEC 60825-1; FDA CDRH Part1040.10)

Spot diameter (at standard distance): Approx.  $\varnothing$ 0.5 mm

Linearity:  $\pm 0.25$  % of F.S. (160 to 440 mm)

Repeatability: 30  $\mu$ m (standard white diffuse target, 2 ms sampling)

Sampling rate: 0.33 / 1 / 2 / 5 ms (4 levels selectable)

Temperature characteristics: 0.08 % of F.S./ $^{\circ}$  C

## — Communication —

Built-in ports: None

Protocols: None

Communication expansion: None

## — Electrical —

Supply voltage: Not available (powered by IL series amplifier unit)

Power consumption: Not available

Output type: Not available (sensor head; connects to IL amplifier)

## — Environmental —

Operating temperature: -10 to +50  $^{\circ}$  C (No condensation or freezing)

Storage temperature: Not available

Relative humidity: 35 to 85 % RH (No condensation)

Protection rating: IP67

## — Physical —

Dimensions (H  $\times$  W  $\times$  D): Not available

Weight: Approx. 135 g

You can contact us through the following contact information

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—— Lifecycle ——

Active; official Keyence production status confirmed via product/spec page (Last verified: 2026-09)



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