Keyence IL-100

Model: IL-100
Brand: Keyence
Series: IL series

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

—— Hardware ——
Sensor type: CMOS laser displacement sensor head (triangulation, reflective)
Reference distance: 100 mm
Measurement range: 75 to 130 mm
Light source: Red semiconductor laser, wavelength 655 nm (visible light)
Laser output: 560 µW
Laser class: Class 2 (IEC 60825-1; FDA CDRH Part1040.10)
Spot diameter (at standard distance): Approx. 400 x 1,350 µm
Linearity: ±0.15 % of F.S. (80 to 120 mm)
Repeatability: 4 µm (standard white diffuse target, 1 ms sampling)
Sampling rate: 0.33 / 1 / 2 / 5 ms (4 levels selectable)
Temperature characteristics: 0.06 % of F.S./° 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 ° C (No condensation or freezing)
Storage temperature: Not available
Relative humidity: 35 to 85 % RH (No condensation)
Protection rating: IP67

—— Physical ——
Dimensions (H×W×D): Not available
Weight: Approx. 75 g

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

—— Lifecycle ——

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

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