

Keyence IL-1000

Model: IL-1000

Brand: Keyence

Series: IL series

Multi-function analog laser sensor amplifier unit, DIN-rail mount, main unit with analog outputs.

—— Hardware ——

Type: CMOS multi-function analog laser sensor amplifier unit

Mounting: DIN-rail mount, Main unit

Head compatibility: All IL series sensor heads

Display: 6-digit; minimum displayable unit 1 μm (IL-S025/IL-030), 2 μm (IL-S065/IL-065/IL-100), 10 μm (IL-300), 50 μm (IL-600)

Display rate: Approx. 10 times/sec

—— Communication ——

Built-in ports: None

Protocols: None

Communication expansion: Via optional IL series communication units (sold separately)

—— Electrical ——

Supply voltage: 10 to 30 VDC, ripple (P-P) 10% included, Class 2

Power consumption: 2300 mW or less (77 mA or less at 30 V)

Output type: Judgment output open collector (NPN/PNP changeover, N.O./N.C. changeover); alarm output open collector (NPN/PNP changeover, N.C.)

Analog voltage output: ± 5 V, 1 to 5 V, or 0 to 5 V, output impedance 100 Ω (select one)

Analog current output: 4 to 20 mA, max. load resistance 350 Ω (select one)

—— Environmental ——

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

Storage temperature: Not available

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

Protection rating: Not available

—— Physical ——

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

Weight: Approx. 150 g (including attachments)

—— Lifecycle ——

You can contact us through the following contact information

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

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



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