

Keyence GT2-H12

Model: GT2-H12K

Brand: Keyence

Series: GT2 series

High-accuracy digital contact sensor head, box type, high-precision, 12 mm stroke.

— Hardware —

Detection system: Scale Shot System, absolute (no tracking error) type

Measuring range: 12 mm

Resolution: 0.1 μm

Indicated accuracy: 1 μm (p-p)

Measuring force (downward mounting): 1.0 N

Measuring force (side mounting): 0.9 N

Measuring force (upward mounting): 0.8 N

Sampling cycle: 1 ms

Mechanical response: 10 Hz (at 20 ° C)

Operation indicator: 2-colour LED (red, green)

— Communication —

Built-in ports: None

Protocols: None

Communication expansion: None

— Electrical —

Supply voltage: Not available (powered by GT2 series amplifier)

Power consumption: Not available

Output type: Not available (sensor head; connects to GT2 amplifier via M8 connector)

— Environmental —

Operating temperature: -10 to +55 ° C (No freezing)

Storage temperature: Not available

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

Protection rating: IP67 (IEC)

— Physical —

Dimensions (H × W × D): Not available

Weight: Approx. 95 g (not including cable)

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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