

KEYENCE TECHNICAL DOCUMENT

Installation Instructions

GT2-H32

Model-specific installation and commissioning guide

01

PRODUCT IDENTITY

Manufacturer	KEYENCE
Model	GT2-H32
Series	GT2 High-Accuracy Digital Contact Sensor
Product type	32 mm digital contact sensor head

02

PRE-INSTALLATION CHECKS

- Confirm the complete GT2-H32 model marking and inspect the spindle, contact, boot and M8 connector.
- Verify that the 32 mm measuring range, 2.1 N downward force and 0.5 micrometre resolution suit the task.
- Select a compatible GT2 amplifier and the required optional sensor cable; neither is implied by the head model alone.
- Provide a rigid, square mounting surface and ensure the target remains within the spindle travel.
- Keep the sensor head within -10 to +55 deg C and 35 to 85% RH without freezing or condensation.

03

MOUNTING CONTROL

- Use the appropriate KEYENCE mounting bracket for GT2-H32/GT2-H50 when the bracket method is selected.
- Align the spindle with the measurement direction; avoid side load, impact and uncontrolled overtravel.
- Choose a contact tip suitable for target geometry and material; confirm any optional tip separately.
- Route the M8 cable away from moving edges, high-energy conductors and repeated tight bending.

04

COMMISSIONING

- Connect the head to the compatible amplifier before applying system power.
- Establish the reference position and confirm stable readings through the intended motion.
- Check repeatability at multiple points across the 32 mm range.
- Validate red/green status indication and the amplifier output used by the PLC or inspection system.
- Record model, cable, amplifier, contact tip, mounting arrangement and acceptance readings for maintenance.

05

REPLACEMENT CHECK

Do not approve a replacement by stroke alone. Compare the complete sensor-head model, measurement principle, accuracy, force direction, connector, amplifier compatibility, mounting and target contact before commissioning.