

KEYENCE TECHNICAL DOCUMENT

Product Data Sheet

GT2-H32

Verified model-specific technical summary

01

PRODUCT IDENTITY

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

02

TECHNICAL SPECIFICATIONS

Detection system	Quartz glass scale with CMOS image-sensor projection; absolute type
Measuring range	32 mm (1.26 in)
Resolution	0.5 micrometre (0.02 mil)
Indicated accuracy	3 micrometres p-p at 20 deg C
Measuring force	Downward 2.1 N; side 1.8 N; upward 1.5 N at range center
Sampling cycle	1 ms
Mechanical response	6 Hz
Indicator	Two-color LED: red and green
Enclosure rating	IP67
Operating temperature	-10 to +55 deg C; no freezing
Operating humidity	35 to 85% RH; no condensation
Sensor cable	Optional; M8 connector

03

MATERIALS AND MASS

Body materials	Zinc die-cast body; polyarylate indicator; NBR dust boot
Contact materials	Type 304 and Type 440C stainless steel; contact included
Head mass	Approx. 270 g, excluding cable