

Garant

Digital 2D height gauge HG1, Type: 350



Order data

Order number	445355 350
GTIN	4067263301745
Item class	41F

Description

Version:

Measuring system:

- Incremental optical measurement system gives outstanding measuring accuracy and reliability.
- Air bearings system for easy movement without jerking.
- Easy measuring procedures due to motorised measurement slides.
- Integrated rechargeable battery for cordless measurements.
- Temperature compensation using internal temperature sensor.

Control and display unit:

- Large, clear touch display with backlight.
- User guidance via self-explanatory icons in several languages.
- Facility for setting additional zero points on the component.
- Additional measuring device can be connected to the Mahr-Connect interface.
- Future-proof as it can be updated.
- Automatic stand-by circuit (no loss of measured values).

Functions:

- Approaching at bottom/top.
- Protrusion width/slot spacing incl. protrusion/slot centre.
- Bore/shaft diameter incl. bore/shaft centre.

- **Reversal point of bores (top/bottom).**
- **Reversal point of shaft (top/bottom).**
- **Calculate spacing/symmetry.**
- **Dynamic measurement functions.**
- **Squareness measurement.**
- **Straightness measurement.**
- **Measurement programmes.**
- **Processing of measurement data.**
- **Direct print-out on USB or wireless printer.**
- **Measurement reports in PDF format or can be saved as a CSV file.**

In addition:

- **Quick measuring keys and thumbwheel for quick movement of the measurement slide and easy start of the measurement.**
- **Quick-mode function.**
- **Further functions: Measure in 2D mode, cone measurement, automatic distance calculation, set a 3rd zero point, enter fits according to ISO (e.g. "H7").**

Supplied with:

Control and display unit. Carrier No. 445410 size T6, contact point No. 445420 size K6/51, adjustment block, USB cable, safety guard, power supply unit, lithium-ion battery and instruction manual.

Optional extras:

Wireless printer set No. 499017 size PRINTER, iwi radio receiver No. 498912 size STICK (2 pcs. required), contact point set No. 445400, data connection cable No. 498941 size DK-M1, carrier No. 445410 size TI, dial indicator No. 434671.

Technical description

Gauging force	1.0 ±0.2 N
Length of base	255 mm
Repeatability plane	0.5 µm
Width footprint	278 mm
Type of rechargeable battery	Nickel metal hydride
Calibration	E2
maximum application range	0 - 520 mm
Measuring range	350 mm
Nominal voltage	4.8 V
Repeatability hole	1 µm
Rectangularity error (frontal)	5 µm

Number of rechargeable batteries contained	1
#Article no of the battery / rechargeable battery fitted	445430
Overall height	688 mm
Graduations can be switched over	0.01 / 0.005 / 0.001 / 0.0005 / 0.0001 mm
Error limit (L = meas. length in mm)	$1.8 + L / 600 \mu\text{m}$
Weight	22 kg
Application area with rotated measuring probe carrier	170 - 520 mm
Standard	Works standard
Reversible reading	mm / inch
Interface	MAHR i-wi radio system
Interface	USB interface
Measurement technology	digital
Test certificate	Manufacturer's test certificate
Type of product	Height gauge

Suitable products

<https://www.hoffmann-group.com/GB/en/hom/p/445355-350>