

Garant**Digital 2D height gauge HG1, Type: 600****Order data**

Order number	445355 600
GTIN	4067263301752
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.**
- **Measure in 2D mode.**
- **Measurement programmes.**
- **Processing of measurement data.**
- **Direct print-out on USB or Bluetooth printer.**
- **Measurement reports in PDF format or can be saved as a CSV file.**

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:

Bluetooth printer set No. 499017 size PRINTER, iwi radio receiver No. 498912 size STICK, contact point set No. 445400, data connection cable No. 498941 size DK-M1.

Technical description

Length of base	255 mm
Measuring range	600 mm
Rectangularity error (frontal)	6 µm
Graduations can be switched over	0.01 / 0.005 / 0.001 / 0.0005 / 0.0001 mm
Repeatability plane	0.5 µm
Width footprint	278 mm
Error limit (L = meas. length in mm)	1.8 + L / 600 µm
Number of rechargeable batteries contained	1
Type of rechargeable battery	Nickel metal hydride
Overall height	938 mm
Calibration	E2
maximum application range	170 - 770 mm
Gauging force	1.0 ±0.2 N
Repeatability hole	1 µm

Nominal voltage	4.8 V
Article no of the battery / rechargeable battery fitted	445430
Weight	26 kg
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

Services

Calibration Digital height gauge maximum measuring range 1000 mm	024000 1000
DAkkS calibration Digital height gauge maximum measuring range 1000 mm	024010 1000

Accessories

Carrier for measuring probe Type T6	445410 T6
Ball contact point Type K6/51	445420 K6/51