

Garant

Digital 2D height gauge HC1, Type: 600



Order data

Order number	445350 600
GTIN	4045197436917
Item class	41F

Description

Version:

Measuring system:

- Outstanding measuring accuracy and reliability due to optical incremental measuring system with double reading head.
- Dynamic probe system for high repeatability.
- Air bearings system for easy movement without jerking.
- Precise measuring head guidance on stainless steel slides.
- Easy measuring procedures due to motorised measurement slides.
- Button settings retained at power off.
- Integrated rechargeable battery for cordless measurements.
- Temperature compensation using internal temperature sensor.

Control and display unit:

- Large and clear function buttons.
- Easily readable LCD graphics display with background illumination.
- User guidance via self-explanatory icons in several languages.
- Facility for setting additional zero points on the component.
- Saving of measured data on integrated USB memory.
- Additional measuring device can be connected to the Opto RS232C interface.
- Future-proof as it can be updated.

- Automatic stand-by circuit (no loss of measured values).

Additional 2D measurement functions:

- Compensation circle.
- Distance and angle of 2 elements.
- Angle between 3 elements.
- Angle within a cone.
- Coordinate transformations.

Statistical evaluation:

- Statistical analysis of individual features.
- Histograms.
- Process control cards.
- Pareto charts.
- Creation of production and inspection plans.
- Direct print-out on a USB printer.

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Supplied with:

Control and display unit. Carrier No. 445410 size T6, contact point No. 445420 size K6/51, setting block, power supply unit No. 445432, NiMH battery No. 445430 and instruction manual.

Technical description

maximum application range	0 - 770 mm
Measuring range	600 mm
Width footprint	250 mm
Weight	30 kg
Length of base	240 mm
Rectangularity error (frontal)	6 µm
Overall height	985 mm
Error limit (L = meas. length in mm)	$1.8 + L / 600$ µm
Graduations can be switched over	0.01 / 0.005 / 0.001 / 0.0005 / 0.0001 mm
Repeatability plane	0.5 µm
Repeatability hole	1 µm
Gauging force	1.0 ± 0.2 N
#Article no of the battery / rechargeable battery fitted	445430
Calibration	E2
Nominal voltage	4.8 V
Type of rechargeable battery	Nickel metal hydride
Number of rechargeable batteries contained	1
Power supply	Rechargeable battery-powered
Power supply	Mains operated
Standard	Manufacturer's standard
Reversible reading	mm / inch
Interface	USB interface
Interface	RS232 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/445350-600>