



Digital height gauge Digimar 816CLT, Type: 600



Order data

Order number	445325 600
GTIN	4059192066888
Item class	43B

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 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 (2 pcs. required), contact point set No. 445400, data connection cable No. 498941 size DK-M1, carrier No. 445410 size TI, dial indicator No. 435671.

Technical description

Repeatability hole	2 µm
Article no of the battery / rechargeable battery fitted	445430
Power supply	Mains operated
Power supply	Mains-powered
Overall height	938 mm
Type of rechargeable battery	Nickel metal hydride
Calibration	E2
Graduations can be switched over	0.01 / 0.005 / 0.001 / 0.0005 / 0.0001 mm
Error limit (L = meas. length in mm)	2.0 + L / 400 µm
Width footprint	278 mm
Number of rechargeable batteries contained	1
Weight	26 kg
Repeatability plane	1 µm
Nominal voltage	4.8 V

maximum application range	0 - 770 mm
Gauging force	1.0 ±0.2 N
Measuring range	600 mm
Rectangularity error (frontal)	8 µm
Length of base	255 mm
Application area with rotated measuring probe carrier	170 - 770 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

Services

CalibrationDigital height gauge maximum measuring range 800 mm	024000 800
DAkkS calibrationDigital height gauge maximum measuring range 800 mm	024010 800

Accessories

Universal contact point set Number of individual parts 10	445406 10
Carrier for measuring probe Type T6	445410 T6
Carrier for measuring probe Type T6/100	445410 T6/100
Carrier for measuring probe Type T8	445410 T8
Carrier for measuring probe Type Tl	445410 Tl
Ball contact point Type K6/51	445420 K6/51
Battery pack 4.8 V	445430
Mains adapter	445432

Connection cablesimplex with data key Type D2	498940 D2
Connection cablesimplex with data key Type R2	498940 R2
Connection cablesimplex with data key Type USB2	498940 USB2