

 Mahr

## Digital height gauge Digimar 816CLT, Type: 350



---

### Order data

Order number	445325 350
GTIN	4059192066871
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

Length of base	255 mm
Number of rechargeable batteries contained	1
Weight	22 kg
Repeatability hole	2 µm
Type of rechargeable battery	Nickel metal hydride
Gauging force	1.0 ±0.2 N
Nominal voltage	4.8 V
Measuring range	350 mm
Article no of the battery / rechargeable battery fitted	445430
maximum application range	0 - 520 mm
Overall height	688 mm
Calibration	E2
Error limit (L = meas. length in mm)	2.0 + L / 400 µm
Graduations can be switched over	0.01 / 0.005 / 0.001 / 0.0005 / 0.0001 mm

Repeatability plane	1 µm
Power supply	Mains operated
Power supply	Mains-powered
Rectangularity error (frontal)	5 µm
Width footprint	278 mm
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

## Services

CalibrationDigital height gauge maximum measuring range 400 mm	024000 400
DAkkS calibrationDigital height gauge maximum measuring range 400 mm	024010 400

## 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 USB2	498940 USB2