Mahr

Digital 2D height gauge Digimar 817CLT, Type: 1000

Order data

Order number	445375 1000
GTIN	4059192064679
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.**
- · **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.**
- · **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, ISO standard table, reset program steps.**

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

Measuring range	1000 mm
Number of rechargeable batteries contained	1
maximum application range	0 - 1170 mm
Rectangularity error (frontal)	10 µm
Overall height	1338 mm
Gauging force	1.0 ±0.2 N
Article no of the battery / rechargeable battery fitted	445430
Weight	29 kg
Nominal voltage	4.8 V
Width footprint	278 mm
Power supply	Mains-powered
Power supply	Rechargeable battery-powered
Length of base	255 mm

Error limit (L = meas. length in mm)	1.8 + L / 600 µm
Repeatability hole	1 µm
Graduations can be switched over	0.01 / 0.005 / 0.001 / 0.0005 / 0.0001 mm
Calibration	E2
Type of rechargeable battery	Nickel metal hydride
Repeatability plane	0.5 µm
Application area with rotated measuring probe carrier	170 - 1170 mm
Standard	Manufacturer's standard
Reversible reading	mm / inch
Interface	USB interface
Interface	MAHR i-wi radio system
Measurement technology	digital
Test certificate	Manufacturer's test certificate
Type of product	Height gauge

Services

CalibrationDigital height gauge maximum measuring range 1000 mm	024000 1000
DAkkS calibrationDigital height gauge maximum measuring range 1000 mm	024010 1000

Accessories

Carrier for measuring probe Type T6/100	445410 T6/100
Connection cablesimplex with data key Type USB2	498940 USB2
Connection cablesimplex with data key Type R2	498940 R2
Mains adapter	445432
Carrier for measuring probe Type TI	445410 TI
Connection cablesimplex with data key Type D2	498940 D2
Carrier for measuring probe Type T8	445410 T8

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