



Digital 2D height gauge Digimar 817CLT, Type: 350



Order data

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| Order number | 445375 350 |
| GTIN | 4059192064655 |
| 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

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| Number of rechargeable batteries contained | 1 |
| Weight | 22 kg |
| Measuring range | 350 mm |
| Rectangularity error (frontal) | 5 µm |
| Repeatability plane | 0.5 µm |
| maximum application range | 0 - 520 mm |
| Gauging force | 1.0 ±0.2 N |
| Width footprint | 278 mm |
| Nominal voltage | 4.8 V |
| Graduations can be switched over | 0.01 / 0.005 / 0.001 / 0.0005 / 0.0001 mm |
| Length of base | 255 mm |
| Error limit (L = meas. length in mm) | 1.8 + L / 600 µm |

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| Overall height | 688 mm |
| Repeatability hole | 1 µm |
| Power supply | Mains-powered |
| Power supply | Rechargeable battery-powered |
| Calibration | E2 |
| Article no of the battery / rechargeable battery fitted | 445430 |
| Type of rechargeable battery | Nickel metal hydride |
| Application area with rotated measuring probe carrier | 170 - 520 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

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| Calibration Digital height gauge maximum measuring range 400 mm | 024000 400 |
| DAkkS calibration Digital height gauge maximum measuring range 400 mm | 024010 400 |

Accessories

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| Universal contact point set Number of individual parts 10 | 445406 10 |
| Carrier for measuring probe Type T6 | 445410 T6 |
| Mains adapter | 445432 |
| Battery pack 4.8 V | 445430 |
| Carrier for measuring probe Type T1 | 445410 T1 |
| Carrier for measuring probe Type T6/100 | 445410 T6/100 |

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| Carrier for measuring probe Type T8 | 445410 T8 |
| Connection cablesimplex with data key Type USB2 | 498940 USB2 |
| Connection cablesimplex with data key Type D2 | 498940 D2 |
| Ball contact point Type K6/51 | 445420 K6/51 |