

# Product information

## Height measuring instrument Digimar 816 CLT350

### Functions

Contacting from below/above,  
Bar width or groove spacing  
incl. bar or groove center, Bore  
or shaft diameter incl. bore or  
shaft center, Reversal point bores  
(top or bottom), Reversal point  
shaft (top or bottom), Calculate  
distances or symmetry, Dynamic  
measurement functions,  
Right angle measurement,  
Straightness measurement,  
Measurement in 1D mode,  
Measurement programs,  
Measurement data processing



### Package contains

height measuring instrument  
incl. operating and display unit,  
carrier 817h1, probe K6/51,  
setting block 817 eb, USB  
cable, instruction manual,  
power source, protection cover,  
Calibration certificate

Item no.: 4429630

### Technical data

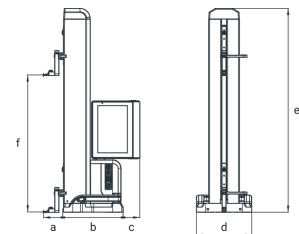
Measuring range up to	350 mm
Measuring range up to	14 inch
Application range from	170 mm
Application range up to	520 mm
Application range from	6.8 inch
Application range up to	20.8 inch
Resolution	0.0001 mm, 0.0005 mm, 0.001 mm, 0.005 mm, 0.01 mm
Resolution	0.00001 inch, 0.00005 inch, 0.0001 inch, 0.0005 inch, 0.001 inch
Repeatability planes	1 µm
Repeatability bores	2 µm
Perpendicularity error in µm	5 µm
Operation time Max	14 h
Data interface	3x USB 2.0, wireless
Measuring system execution	incremental scale with optical scanning
Product weight	22.00 kg

### Measuring system properties

- Excellent measuring accuracy and reliability due to the optical incremental measuring system with the double reader head
- Dynamic probe system enabling high repeatability
- Air bearing system for light and smooth movement
- Measuring head guided in precision ball bearings
- Motorized measuring slide simplifies measurement runs
- Probe constant remains after the instrument is switched off
- Integrated rechargeable battery with a long operating life for mains-independent measurement
- Temperature compensation via integrated temperature sensor

### Dimensions

Dimensions e in mm	688 mm
Dimensions b in mm	278 mm
Dimensions a in mm	89 mm
Dimensions f in mm	356 mm
Dimensions c in mm	77 mm
Dimensions d in mm	255 mm



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### Accessories

Order no.	Designation	Product type
4102220	Wireless receiver for measuring instruments with integrated wireless	i-Stick
4221525	Surface plate made from granite	107 G
4221526	Surface plate made from granite	107 G