



FEATURES

- Top or bottom contacting
- Web width or distances between grooves, including center of web or groove
- Bore or shaft diameter, including center of bore or shaft
- Bore reversing point (up or down)
- Shaft reversing point (up or down)
- Calculating distances or symmetry
- Dynamic measuring functions
- Measuring program
- Measuring data processing
- Easy to read backlit graphic LCD
- Clear function keys
- Language-neutral operator guidance with self-explanatory symbols
- Possible to set additional zero points
- Memory can store up to 99 measured values
- Excellent accuracy and reliability due to the optical incremental measurement system with the double reader head
- Dynamic probing system enabling high repeatability
- Air bearings system for light and smooth movement
- Precise measuring head on stainless steel guideways
- Motorized measuring carriage simplifies measurement runs
- Temperature compensation with an integrated temperature sensor
- Probe constant remains after the instrument is switched off
- Integrated rechargeable battery for power source independent measurement
- **Software:** MarCom Professional free download: www.mahr.com/marcom (only for Mahr data cables and wireless systems with USB and RS-232 interface)
- **Data interface:** Opto RS-232C, USB, wireless
- **Battery type:** Ni-Mh rechargeable battery
- **Package contains:** height measuring instrument incl. operating and display unit, carrier 817h1, probe K6/51, setting block 817 eb, instruction manual, power source, protection cover, calibration certificate



TECHNICAL DATA

Order no.	4429030		4429031
Type	816 CL		
Measuring range	mm	0 –350	0 –600
Measuring range	inch	0 –14"	0 –24"
Application range from	mm	170	
Application range up to	mm	520	770
Resolution	mm	0.001, 0.01	
Resolution	inch	.00005", .0001"	
Error limit	µm	(2.8+L/300) L in mm	
Repeatability bores	µm	3	
Repeatability planes	µm	2	
Perpendicularity error	µm	15	20
Operating time max.	h	10	
Measuring force	N	1.0 ± 0.2 N	
Relative humidity non-condensing	%	65	
Working temperature	°C	20	
Operating temperature	°C	10 –40	
Product weight	kg	25.00	30.00
Data interface	Opto RS-232C, USB, wireless		
Standard	Factory standard		

ACCESSORIES

Order no.	Description	Type
4346023	Data connection cable USB (2 m)	2000 USB
4346020	Data connection cable RS232C (2 m)	2000 r
4102232	Transmitter for e-Stick	2000 e
4102230	e-Stick receiver	e-Stick
4221526	Surface plate made from granite, 1200 x 800 mm	107 G
4221574	Open underframe with edge protection, 1200 x 800 mm	107 Ug
4221525	Surface plate made from granite, 1000 x 630 mm	107 G
4221573	Open underframe with edge protection, 1000 x 630 mm	107 Ug



107 G + 107 Ug