



FEATURES

- Contacting from below/above
 - Bar width or groove spacing including bar or groove center
 - Bore or shaft diameter including 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 2D mode
 - Measurement programs
 - Measurement data processing
 - Large and clear touch display with backlight
 - Operator guidance via self-explanatory icons
 - Operator guidance in several languages
 - Possibility to set additional zero points on workpiece
 - Additional measuring device can be connected with MarConnect USB interface
 - Future-proof due to update capability
 - Automatic stand-by circuit
 - Adjustable auto-off function, without loss of measured values
 - Excellent measuring accuracy and reliability due to optical incremental measuring system with double reading head
 - Dynamic probe system for high repeatability
 - Air bearing system for easy, jerk-free displacement
 - Measuring head guided in precision ball bearings
 - Simple measuring sequences due to motorized measuring slide
 - Probe constant remains after switch-off
 - Integrated rechargeable battery with high operating time for mains-independent measuring
 - Temperature compensation with an integrated temperature sensor
- 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:** 3x USB 2.0, wireless
 - **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



TECHNICAL DATA

Order no.	4429600	4429601	4429602
Type	817 CLT		
Measuring range	mm 0 –350	0 –600	0 –1000
Measuring range	inch 0 –14"	0 –24"	0 –40"
Application range from	mm 170		
Application range up to	mm 520	770	1170
Resolution	mm 0.0001, 0.0005, 0.001, 0.005, 0.01		
Resolution	inch .001", .0005", .0001", .00005", .00001"		
Error limit	µm (1.8 + L/600) L in mm		
Repeatability bores	µm 1		
Repeatability planes	µm 0.5		
Perpendicularity error	µm 5		10
Operating time max.	h 16		
Measuring force	N 1.0 ± 0.2 N		
Relative humidity non-condensing	% 65		
Working temperature	°C 20		
Operating temperature	°C 10 –40		
Data interface	3x USB 2.0. wireless		
Standard	Factory standard		

Order no.	a	b	c	d	e	f
	mm	mm	mm	mm	mm	mm
4429600	89	278	77	255	688	356
4429601	89	278	77	255	938	610
4429602	89	278	77	255	1338	1016

ACCESSORIES

Order no.	Description	Type
4102220	Receiver for instruments with Integrated Wireless	i-Stick
6910271	Printer set for MarSurf M 310 and Digimar 817 CLT	DP-B1
4221525	Surface plate made from granite, 1000 x 630 mm	107 G
4221573	Open underframe with edge protection, 1000 x 630 mm	107 Ug
4221526	Surface plate made from granite, 1200 x 800 mm	107 G
4221574	Open underframe with edge protection, 1200 x 800 mm	107 Ug



i-Stick



107 G + 107 Ug



DP-B1