

Digimar 814 N

Height Measuring and Scribing Instrument



FUNCTIONS

- ON/OFF
- RESET (set display to zero)
- mm/inch
- PRESET (for entering a numerical value)
- MAX/MIN memory for searching the reversal point
- TIR (MAX-MIN) for testing flatness and concentricity
- TOL (enter tolerance limit values)
- Selectable resolution
- DATA (data transmission)

FEATURES

- Large, easy to read digital display
- Measuring and display unit are incorporated in the measuring head
- Data transmission via Opto RS232 C interface
- Digital preset
- Zero setting in any position
- MAX, mIN and MAX-MIN functions
- Enter tolerance limit for 1 characteristic
- Switch between mm/inch
- High accuracy
- Incremental inductive measuring system
- Measuring head with a ball bush guide
- Resistance free measuring system
- Easy to operate due to the hand crank on the side of the measuring head
- Constant measuring force; acting upwards or downwards as required
- Measuring head can be locked in position, ideal for scribing tasks
- With fine adjustment
- Power source independent due to being battery operated
- Universal application due to broad range of accessories
- **Package contains:** height measuring instrument including operating and display unit, caliper arm 814t, spherical probe 814 m, 8 mm, battery, instruction manual, protection cover, test certificate



Application:

- For measuring heights and distances between bores, surfaces and edges
- For selecting and marking out workpieces

TECHNICAL DATA

Order no.		4426540	4426542
Product type		814 N	
Measuring range	mm	0 –320	0 –620
Measuring range	inch	0 –12.6"	0 –24.4"
Resolution	mm	0.001, 0.01	
Resolution	inch	.00005", .0005"	
Error limit	µm	20	30
Perpendicularity error in µm	µm	20	30
Operating time max.	h	2000	
Measuring force	N	3	
Working temperature	°C	20	
Operating temperature	°C	5 –40	
Product weight	kg	6.20	10.50
Data interface		Opto RS232C, Wireless	
Standard		Factory standard	

Digimar 814 G

Height Measuring and Scribing Instrument



FUNCTIONS

- ON/OFF
- RESET (set display to zero)
- mm/inch
- PRESET (for entering a numerical value)
- MAX/MIN memory for searching the reversal point
- TIR (MAX-MIN) for testing flatness and concentricity
- TOL (enter tolerance limit values)
- Selectable resolution
- DATA (data transmission)



FEATURES

- Large, easy to read digital display
- Measuring and display unit are incorporated in the measuring head
- Data transmission via Opto RS232 C interface
- Digital preset
- Zero setting in any position
- MAX, mIN and MAX-MIN functions
- Enter tolerance limit for 1 characteristic
- Switch between mm/inch
- High accuracy
- Incremental inductive measuring system
- Measuring head with a ball bush guide
- Resistance free measuring system
- Easy to operate due to the hand crank on the side of the measuring head
- Constant measuring force; acting upwards or downwards as required
- Measuring head can be locked in position, ideal for scribing tasks
- With fine adjustment
- Power source independent due to being battery operated
- Universal application due to broad range of accessories
- **Package contains:** height measuring instrument including operating and display unit, caliper arm 814 t, spherical probe 814 m, 8 mm, battery, instruction manual, protection cover, test certificate

Application:

- For measuring heights and distances between bores, surfaces and edges
- For selecting and marking out workpieces

TECHNICAL DATA

Order no.		4426541	4426543
Product type		814 G	
Measuring range	mm	0 –320	0 –620
Measuring range	inch	0 –12.6"	0 –24.4"
Resolution	mm	0.001, 0.01	
Resolution	inch	.00005", .0005"	
Error limit	µm	20	30
Perpendicularity error in µm	µm	20	30
Operating time max.	h	2000	
Measuring force	N	3	
Working temperature	°C	20	
Operating temperature	°C	5 –40	
Product weight	kg	14.00	18.30
Plate size	mm	200 x 300	
Data interface:		Opto RS232C, Wireless	
Standard		Factory standard	

Digimar 814 SR

Height Measuring and Scribing Instrument



FUNCTIONS

- RESET (set display to zero)
- mm/inch
- ABS (switch between relative and absolute measurement)
- Lock/Unlock
- PRESET (for entering a numerical value)
- DATA (data transmission via connection cable)
- AUTO-ON / OFF



FEATURES

- Battery life up to 3 years
- Max. measuring speed 1.5 m/s (60"/s)
- MarConnect Data output: choose either
 - USB
 - OPTO RS232C
 - Digimatic
- High contrast liquid crystal display with 12 mm sized digits
- Sturdy heavy-duty base, easy to handle
- Hardened and lapped contact surface which produce both a smooth and even movement
- Slide and beam made of hardened stainless steel
- Hand crank for positioning and measuring
- Fine adjustment
- Locking screw
- Interchangeable scriber point, carbide tipped
- **Software:** MarCom Professional free download: www.mahr.com/marcom (only for Mahr data cables and wireless systems with USB and RS232 interface)
- **Package contains:** scriber, battery, carton, instruction manual

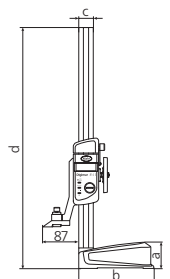
Application:

- Scribing and marking of work pieces
- Measuring heights and distances

TECHNICAL DATA

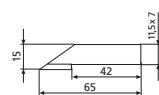
Order no.	4426100	4426101
Product type	814 SR	
Measuring range	mm 0 – 350	0 – 600
Measuring range	inch 0 – 14"	0 – 24"
Resolution	mm 0.01	
Resolution	inch .0005"	
Error limit	µm 40	50
Operating time max.	h 4000	
Operating temperature	°C 10 – 40	
Product weight	kg 7.00	8.00
Data interface	Opto RS232C, Digimatic, USB, Wireless	
Standard	Factory standard	

Order no.	a	b	c	d
	mm	mm	mm	mm
4426100	62	180	35	580
4426101	62	180	35	835

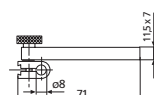


ACCESSORIES

Order no.	Product name	Product type
4123867	Measuring/Scriber point, carbide tipped	814 SRs
4123041	Holder for test indicators	27 Sp
4102357	16 EXu Data connection cable USB (2 m)	16 EXu
4102915	Digimatic data cable (2 m)	16 EWd
4102410	Data connection cable RS232C (2 m)	16 EXr
4102230	Receiver	e-Stick
4102231	Transmitter for e-Stick	16 EWe
4102520	Battery 3 V, CR 2032	



814 SRs



27 Sp



e-Stick



16 EWe