

# Mahrlights



**Sept. 1 - Nov. 30**  
2019

# Best Performance in Every Step

The key to successful manufacturing is smart, efficient quality control. It depends on simple and accurate data acquisition, as well as a structured processing of the data. Mahr's portfolio of products offers you maximum freedom of movement, allowing you to make faster and more targeted measurements - with full transparency. This increases your agility without sacrificing the traceability of measurement steps along the entire value chain.

## Economical

By purchasing a USB receiver stick (i-Stick) for your computer, you can operate up to eight measuring devices at the same time and save additional costs for connection cables.

## Unclutter

Keep your workplace clear of restrictive data cables.

## ID Transmission

Serial and order numbers are sent out by the measuring device and stored in the recorded measurement log.



## Reliable

With integrated transmission visual feedback is provided verifying data transmission. Error message signifies loss of data connector.

## Full Freedom of Movement

Mahr measuring devices allow exact measuring - even in the machine or on hard-to-reach workpieces.



6

Meter (19.6 ft.)  
Transmission Range

8

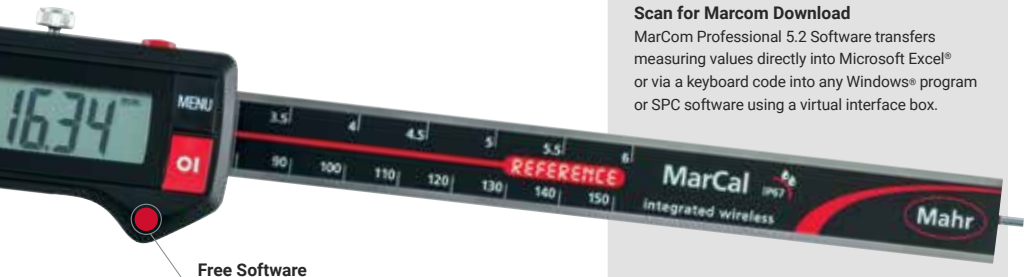
Measuring Devices  
per i-Stick Receiver

70

Products for  
Every Measuring Task

## Integrated Transmitter

Eliminate hazards such as cable breakage and wear.



## Free Software

Benefit from the MarCom Professional 5.2 interface software and transfer the measurement data individually and conveniently to your Windows applications or CAQ software.



## Scan for Marcom Download

MarCom Professional 5.2 Software transfers measuring values directly into Microsoft Excel® or via a keyboard code into any Windows® program or SPC software using a virtual interface box.

MarCal 16 EWRI | Wireless Kit

Wireless data transmission capability is integrated within MarCal digital calipers using proven wireless technology. These calipers are easy to read, with a large clear digital display, and include a number of advanced features such as lapped guideways, a reference system that retains the zero position setting and a number of product options and accessories.



+



REFERENCE

IP67

MarConnect

Integrated Wireless

\$333

Order No. 2121610

i-Stick Wireless Receiver

Order No.	List Price	Promo Price	Measuring Range	Resolution	Depth Rod		Friction Wheel
2121610*	\$416	\$333	150 mm / 6 in	0,01 mm / 0.0005 in			
2121611*							

\* Starter set includes an i-Stick wireless receiver

MarCal 16 EWRI | Digital Caliper



+



REFERENCE

IP67

MarConnect

Integrated Wireless

\$207

Order No. 4103400

i-Stick Wireless Receiver

Order No.	List Price	Promo Price	Measuring Range	Resolution	Error Limit G	Depth Rod		Friction Wheel
4103400	\$243	\$207	150 mm / 6 in	0,01 mm / 0.001 in	0,03 mm / 0.0015 in			
4103401								
4103402								
4103403								
4103404	\$281	\$239	200 mm / 8 in					
4103405								
4103406	\$421	\$358	300 mm / 12 in		0,04 mm / 0.0015 in			
4103407								

MarConnect i-Stick | Wireless Receiver for Measuring Instruments with Integrated Wireless

The MarConnect i-Stick is a wireless receiver for Mahr's measuring instruments. You can transfer your measured values directly to your PC via proven wireless technology with the i-Stick.

\$157

Order No. 4102220



Order No.	4102220
List Price	\$174
Promo Price	\$157
Includes	USB Wireless Receiver for Mahr Measuring Instruments
Channels	3
Connectable Devices with Integrated Wireless	8 per i-Stick
Radio Frequency MHz	2400
Wireless Range	Up to 6 m / 19.6 ft
For Measuring Instruments	MarCal 16 EWri/30 EWri; Micromar 40 EWri/40 EWri-L; MarCator 1086 Ri/1087 Ri/1087 BRi

MarCal 30 EWri | Digital Depth Gage

The NEW 30 EWri digital depth gage with Integrated Wireless is the useful depth gage to carry along with you in production and assembly areas to measure depth quickly and easily.

INTRODUCTORY PRICE

\$340

Order No. 4126751



Order No.	Introductory Price	Measuring Range	Resolution	Error Limit	Depth Rod
4126751	\$340	0 - 25 mm / 0 - 1 in	0,01 mm / 0.0005 in	0,02 mm / 0.0008 in	Round

MarCal 30 EWRI | Digital Depth Gage

The 30 EWRI digital depth gage ensures reliable results with its rigid design and versatile contact.



The image shows a MarCal 30 EWRI digital depth gage. It has a black body with a digital display showing '33.35'. The scale is marked in millimeters and inches. The brand name 'MarCal' and 'Mahr' are visible. A red button with 'ON' is on the side. A wireless signal icon is above the display.



**\$590**

Order No. 4126755

Order No.	List Price	Promo Price	Measuring Range	Resolution	Error Limit
4126755	\$621	\$590	0 - 150 mm / 0 - 6 in	0,01 mm / 0.0005 in	0,03 mm
4126754	\$669	\$636	0 - 200 mm / 0 - 8 in		0,04 mm
4126756	\$726	\$690	0 - 300 mm / 0 - 12 in		
4126757	\$867	\$824	0 - 500 mm / 0 - 20 in		0,05 mm

MarCal 30 EWRI-N | Digital Depth Gage

The 30 EWRI-N digital depth gage ensures fast results on the shop floor.



The image shows a MarCal 30 EWRI-N digital depth gage. It has a black body with a digital display showing '56.34'. The scale is marked in millimeters and inches. The brand name 'MarCal' and 'Mahr' are visible. A red button with 'ON' is on the side. A wireless signal icon is above the display.



**\$763**

Order No. 4126532

Order No.	List Price	Promo Price	Measuring Range	Resolution	Error Limit
4126532	\$803	\$763	0 - 100 mm / 0 - 4 in	0,01 mm / 0.0005 in	0,03 mm

MarCal 16 EWR-V/16 EWri-V | Digital Universal Caliper

The MarCal 16 EWri-V is a versatile precision measuring kit which can be employed in production. The kit contains interchangeable contacts to meet virtually any measurement application. The 16 EWri-V incorporates the Integrated Wireless transmitter.



Order No. 4118807



Order No.	List Price	Promo Price	Measuring Range	Resolution	Depth Rod	Wireless
4118807	\$603	\$573	0 - 200 mm / 0 - 8 in	0,01 mm / 0.0005 in	Rectangular	
4118907	\$796	\$756				X

MarCator 1075 R | Digital Indicator

1075 R digital indicators are equipped with the innovative reference system. The zero position only has to be set one time; once it is set, the zero remains stored for all further measurements. Therefore, when the indicator is switched ON or the measuring spindle is moved the indicator is immediately ready for measurement.



Order No.	List Price	Promo Price	Measuring Range	Resolution
4336010	\$205	\$185	12,5 mm / 0.5 in	0,01 mm / 0.0005 in
4336020	\$279	\$251		0,005 mm / 0.0001 in
4336030	\$340	\$306		0,001 mm / 0.00005 in



MarCator 1086 R/1086 Ri | Digital Indicators

The 1086 digital indicators with fixed resolution incorporate the reference system which automatically stores the zero position for further measurements. The 1086 digital indicators with selectable resolution offer large display and wet proof models, and also incorporates the reference system. All 1086 digital indicators come standard with MarConnect. If you need to document your data, we have digital indicators which offer Integrated Wireless data transmission, the optimal solution for transmitting your measured values to a PC.

NEW



\$716

Order No. 4337697



50 mm



25 mm



HR

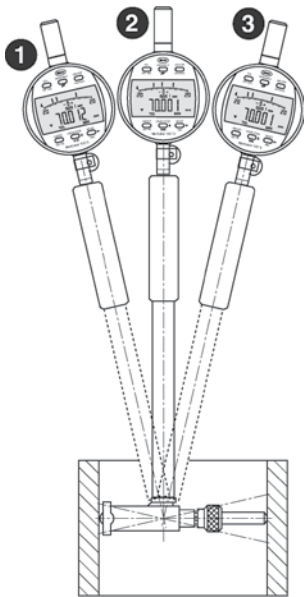
Order No.	Model	List Price	Promo Price	Measuring Span	Resolution	Wireless
4337620	1086 R	\$473	\$426	12,5 mm / 0.5 in	0,0005 mm, 0,001 mm, 0,002 mm, 0,005 mm, 0,01 mm / 0.00002 in, 0.00005 in, 0.0001in, 0.0002 in, 0.0005 in	
4337621		\$558	\$502	25 mm / 1 in		
4337622		\$935	\$842	50 mm / 2 in		
4337623		\$1,180	\$1,062	100 mm / 4 in		
4337650*	1086 ZR	\$473	\$426	12,5 mm / 0.5 in		
4337651*		\$558	\$502	25 mm / 1 in		
4337624	1086 Zi	\$531	\$478	12,5 mm / 0.5 in	0,0005 mm, 0,001 mm, 0,002 mm, 0,005 mm, 0,01 mm / 0.00002 in, 0.00005 in, 0.0001in, 0.0002 in, 0.0005 in	X
4337625		\$595	\$536	25 mm / 1 in		X
4337626		\$972	\$875	50 mm / 2 in		X
4337627		\$1,200	\$1,080	100 mm / 4 in		X
4337628**		\$611	\$550	25 mm / 1 in		X
4337697	1086 R HR	\$795	\$716	12,5 mm / 0.5 in	0,0001 mm, 0,0005 mm, 0,001 mm, 0,002 mm, 0,005 mm, 0,01 mm / 0.00001 in, 0.00002 in, 0.00005 in, 0.0001in, 0.0002 in, 0.0005 in	

Note: all indicators with 8 mm stem diameter, \* 3/8 in stem diameter, \*\* No gaging spring

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The 1087 digital indicators, with dynamic capabilities and analog bar graph, provide easy readings of MIN/MAX/MAX-MIN conditions and incorporate the reference system which automatically stores the zero position for further measurements. All 1087 digital indicators come standard with MarConnect. If you need to document your data, we have digital indicators which offer Integrated Wireless data transmission, the optimal solution for transmitting your measured values to a PC. The BR version is specifically designed for adjustable bore gage use and greatly enhances operator usability.



**Bore Gage Version**

**\$507**

Order No. 4337660



**12,5 mm  
Dynamic Capability**



Order No.	Model	List Price	Promo Price	Measuring Range	Resolution	Wireless	Bore Gage Version
4337660	1087 R	\$563	<b>\$507</b>	12,5 mm / 0.5 in	0,0005 mm, 0,001mm, 0,002 mm, 0,005 mm, 0,01 mm / 0.00002 in, 0.00005 in, 0.0001 in, 0.0002 in, 0.0005 in		
4337661		\$648	<b>\$583</b>	25 mm / 1 in			
4337670*	1087 ZR	\$563	<b>\$507</b>	12,5 mm / 0.5 in			
4337666	1087 R	\$1,030	<b>\$927</b>	50 mm / 2 in			
4337671*	1087 ZR	\$648	<b>\$583</b>	25 mm / 1 in			
4337663	1087 Ri	\$611	<b>\$550</b>	12,5 mm / 0.5 in		X	
4337665		\$719	<b>\$647</b>	25 mm / 1 in		X	
4337667		\$1,110	<b>\$999</b>	50 mm / 2 in		X	
4337662	1087 BR	\$648	<b>\$583</b>	12,5 mm / 0.5 in	0,0001 mm, 0,0005 mm, 0,001 mm, 0,002 mm, 0,005 mm, 0,01 mm / 0.00001 in, 0.00002 in, 0.00005 in, 0.0001 in, 0.0002 in, 0.0005 in		X
4337664	1087 BRi	\$717	<b>\$645</b>			X	X
4337695	1087 R-HR	\$995	<b>\$896</b>	0 - 12,5 mm / 0 - 0.5 in			

Note: all indicators with 8 mm stem except \* 3/8 in stem diameter

Micromar 40 EWRI | Digital Micrometer

Wireless data transmission capability is integrated within the Micromar digital micrometer using proven wireless technology. With an extra large display, these micrometers are easy to read and include a number of advanced features such as a reference system that retains the zero position setting, absolute reading for comparative measurements, tolerance indicators to qualify parts, a lock feature to prevent user error and a hold feature to retain the measured value.



INTRODUCTORY PRICE

**\$360**

Order No. 4157100

REFERENCE

IP65

MarConnect

Integrated Wireless

ABS System

TOL



Integrated Tolerance Markers

Order No.	Model	Introductory Price	Measuring Range	Resolution	Error Limit	Spindle Thread Pitch	Measuring Force
4157100	40 EWRI	³360	0 - 25 mm / 0 - 1 in	0,001 mm / 0.00005 in	2 µm	0,5 mm	5 N - 10 N
4157101		³432	25 mm - 50 mm / 1 in - 2 in		3 µm		
4157102		³566	50 mm - 75 mm / 2 in - 3 in				
4157103		³617	75 mm - 100 mm / 3 in - 4 in		6 µm		
4157104		³814	100 mm - 125 mm / 4 in - 5 in				
4157105		³840	125 mm - 150 mm / 5 in - 6 in		7 µm		
4157106		³866	150 mm - 175 mm / 6 in - 7 in				
4157107		³890	175 mm - 200 mm / 7 in - 8 in				

Micromar 40 EWRI | Digital Micrometer Set



INTRODUCTORY PRICE

**\$1,960**

Order No. 4157115

REFERENCE

IP65

MarConnect

Integrated Wireless

ABS System

TOL

Order No.	Model	Introductory Price	Measuring Range	Resolution	Number of Micrometers	Spindle Thread Pitch	Measuring Force
4157115	40 EWRI	\$1,960	0 - 100 mm / 0 - 4 in	0,001 mm / 0.00005 in	4	0,5 mm	5 N - 10 N

Micromar 40 EWRI-L | Digital Micrometer with Quick Drive Spindle & Integrated Wireless Data Transmission

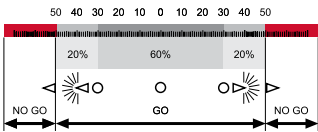
Wireless data transmission capability is integrated within the NEW Micromar 40 EWRI-L digital micrometer with a quick drive spindle where 1 turn of the thimble is now equal to 5 mm (0.2 in) of spindle travel. Moving to different sizes on a sample part is now 10 times faster than with a standard micrometer.



INTRODUCTORY PRICE

\$567

Order No. 4157120



Integrated Tolerance Markers

Order No.	Model	Introductory Price	Measuring Range	Resolution	Error Limit	Spindle Thread Pitch	Measuring Force
4157120	40 EWRI-L	€567	0 - 25 mm / 0 - 1 in	0,001 mm / 0.00005 in	2 µm	0,5 mm	5 N - 10 N
4157121		€618	25 mm - 50 mm / 1 in - 2 in				
4157122		€670	50 mm - 75 mm / 2 in - 3 in		3 µm		
4157123		€737	75 mm - 100 mm / 3 in - 4 in				

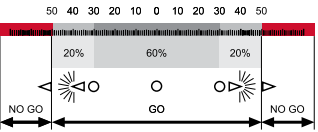
Micromar 40 EWR-L | Digital Micrometer with Quick Drive Spindle & Wired MarConnect Output



INTRODUCTORY PRICE

\$541

Order No. 4157020



Integrated Tolerance Markers

Order No.	Model	Introductory Price	Measuring Range	Resolution	Error Limit	Spindle Thread Pitch	Measuring Force
4157020	40 EWR-L	€541	0 - 25 mm / 0 - 1 in	0,001 mm / 0.00005 in	2 µm	0,5 mm	5 N - 10 N
4157021		€593	25 mm - 50 mm / 1 in - 2 in				
4157022		€644	50 mm - 75 mm / 2 in - 3 in		3 µm		
4157023		€706	75 mm - 100 mm / 3 in - 4 in				

## Micromar 40 ER | Digital Micrometer

The Micromar 40 ER is a micrometer that incorporates an extra large display that is easy to read, a reference system that retains the zero position setting and a lock feature to prevent user error.



INTRODUCTORY PRICE

\$205

Order No. 4157010



Order No.	Model	Introductory Price	Measuring Range	Resolution	Error Limit	Spindle Thread Pitch	Measuring Force	Standard
4157010	40 ER	²205	0 - 25 mm / 0 - 1 in	0,001 mm / 0.00005 in	2 µm	0,5 mm	5 N - 10 N	Factory Standard

## Micromar 40 EWR | Digital Micrometer

The Micromar 40 EWR micrometer, with IP65 protection, incorporates an extra large display, a reference system that retains the zero position setting, absolute reading for comparative measurements and a lock feature to prevent user error.



INTRODUCTORY PRICE

\$268

Order No. 4157011



Order No.	Model	Introductory Price	Measuring Range	Resolution	Error Limit	Spindle Thread Pitch	Measuring Force	Standard
4157011	40 EWR	\$268	0 - 25 mm / 0 - 1 in	0,001 mm / 0.00005 in	2 µm	0,5 mm	5 N - 10 N	Factory Standard
4157012		\$371	25 mm - 50 mm / 1 in - 2 in					
4157013		\$459	50 mm - 75 mm / 2 in - 3 in		3 µm			
4157014		\$514	75 mm - 100 mm / 3 in - 4 in					

Micromar 40 EWR | Digital Micrometer

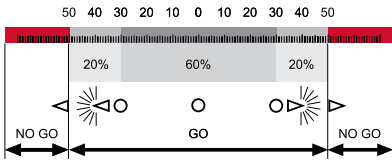
The NEW Micromar 40 EWR micrometer with data output incorporates an extra large display, a reference system that retains the zero position setting and lock feature to prevent user error. It also incorporates new MarConnect data output where data collection is selected by cable – either USB, RS-232C, or Digimatic.



INTRODUCTORY PRICE

\$351

Order No. 4157000



Integrated Tolerance Markers



Shown with Optional Stand 41 H



Order No.	Model	Introductory Price	Measuring Range	Resolution	Error Limit	Spindle Thread Pitch	Measuring Force
4157000	40 EWR	\$351	0 - 25 mm / 0 - 1 in	0,001 mm / 0.00005 in	2 µm	0,5 mm	5 N - 10 N
4157001		\$418	25 mm - 50 mm / 1 in - 2 in				
4157002		\$546	50 mm - 75 mm / 2 in - 3 in		3 µm		
4157003		\$603	75 mm - 100 mm / 3 in - 4 in				
4157004		\$788	100 mm - 125 mm / 4 in - 5 in		6 µm		
4157005		\$813	125 mm - 150 mm / 5 in - 6 in				
4157006		\$840	150 mm - 175 mm / 6 in - 7 in		7 µm		
4157007		\$861	175 mm - 200 mm / 7 in - 8 in				

MarCal 16 ER | Digital Caliper

The MarCal 16 ER features a new ergonomic design with lapped guideways - perfect for your daily measurement needs. Supplied with a case, battery and operating instructions.



Without Output

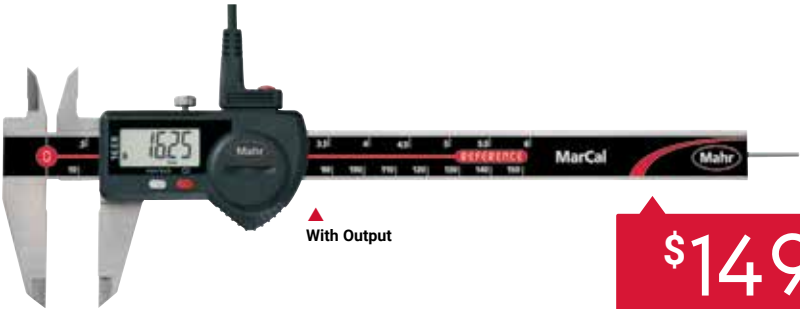
REFERENCE

DIN 862



\$121


Order No. 4103010



With Output

REFERENCE

DIN 862

















\$149

Order No. 4103014

ERGONOMICS





Order No.	List Price	Promo Price	Measuring Range	Type	Error Limit G	Depth Rod		Friction Wheel	
4103010	\$134	\$121	150 mm / 6 in	Without Output	0,03 mm / 0.001 in				
4103011									
4103012									
4103013									
4103014	\$165	\$149	150 mm / 6 in	With Output	0,03 mm / 0.001 in				
4103015									
4103018									
4103020	\$351	\$316	300 mm / 12 in		0,04 mm / 0.0015 in				
4103016	\$165	\$149	150 mm / 6 in						
4103017					0,03 mm / 0.001 in				
4103019						\$224	\$202	200 mm / 8 in	
4103021	\$351	\$316	300 mm / 12 in			0,04 mm/ 0.0015 in			

Note: resolution is 0,01 mm / 0.0005 in for all calipers

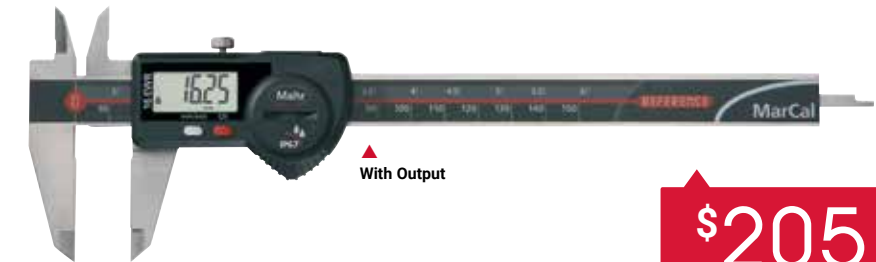
MarCal 16 EWR | Digital Caliper with IP67 Rating

The MarCal 16 EWR features a new ergonomic design with lapped guideways and larger display. This digital caliper offers IP67 protection against dust, coolants and lubricants, extended three year battery life, and an innovative reference system, which automatically stores the zero position for further measurements. Available for next day delivery.



\$172

Order No. 4103300



\$205

Order No. 4103064



Order No.	List Price	Promo Price	Measuring Range	Type	Error Limit G	Depth Rod		Friction Wheel	
4103300	\$191	\$172	150 mm / 6 in	Without Output	0,03 mm / 0.001 in				
4103302									
4103301									
4103303									
4103064	\$228	\$205	150 mm / 6 in	With Output	0,03 mm / 0.001 in				
4103066									
4103065									
4103067									
4103068	\$264	\$238	200 mm / 8 in		0,03 mm / 0.001 in				
4103069									
4103070	\$395	\$356	300 mm / 12 in		0,04 mm / 0.0015 in				
4103071									

Note: resolution is 0,01 mm / 0.0005 in for all calipers

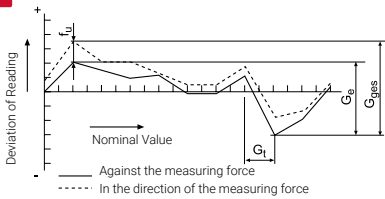
For over 60 years, the Millimess series of dial comparators has been synonymous with both high precision and extreme robustness, suitable for measuring tasks where the accuracy and the reversal span of a conventional dial indicator are not sufficient.



▲  
**1003 Z**

**\$254**

**Order No. 4334900**



Order No.	Model	List Price	Promo Price	Measuring Range	Readings	Overtravel	Measuring Force
4335900	1002 Z	\$587	<b>\$558</b>	± 0.0010 in	0.00002 in	0.11 in	1 N
4335905*		\$645	<b>\$613</b>				
4334905*	1003 Z	\$382	<b>\$363</b>	± 0.0020 in	0.00005 in		
4334900		\$267	<b>\$254</b>				
4333905*	1004 Z	\$382	<b>\$363</b>	± 0.0050 in	0.0001 in	0.10 in	
4333900		\$258	<b>\$245</b>				
4332900	1010 Z	\$249	<b>\$237</b>	± 0.0100 in	0.0005 in		
4332905*		\$289	<b>\$275</b>				

Note: \* Waterproof  
 Including plastic case; adapter 940 (for inch instruments only)  
 IP54, including plastic case, splash guard cover 957, rubber bellows (only for 1002/1003/1004); adapter 940 (for inch instruments only)

**MarStand 815 MG** | Indicator Stand with Magnetic Base

The 815 MG stand is a 3D indicator stand which can reach any position within its operating range in conjunction with a very powerful ON/OFF magnet.



**\$221**

**Order No. 4420350**

Order No.	List Price	Promo Price	Fine Adjustment Range	Total Height	Projection (Max.)	Magnetic Force
4420350	\$233	<b>\$221</b>	2 mm / 0.078 in	224 mm / 8.818 in	130 mm / 5.118 in	300 N
4420360	\$261	<b>\$248</b>		316 mm / 12.440 in	200 mm / 7.784 in	800 N
4420370	\$316	<b>\$300</b>		401 mm / 15.787 in	280 mm / 9.8425 in	
4420380	\$595	<b>\$565</b>	5 mm / 0.19 in	444 mm / 17.480 in	330 mm / 12.992 in	1000 N

Note: Indicator not included



Mahr is one of the leading global producers of test indicators. The sensitive computer-optimized shockproof mechanism of the test indicator ensures maximum precision. MarTest's sealed dial makes it impervious to liquids, ideal for use in workshop conditions. With the MarTest series of test indicators, not only is there a broad product range, but also a wide variety of accessories available.

\$187

Order No. 4306950



801 SL



801 S1/S/SG/SGi

\$194

Order No. 4308970



801 SGM



801 V/VGM



Order No.	Model	List Price	Promo Price	Measuring Range	Reading	Dial Diameter	Length of Styli
4305960	801 S1	\$178	\$142	±0.015 in	0.0001 in	1.1 in	0.57 in
4305950	801 S	\$191	\$153		0.0005 in		
4307950	801 SG	\$212	\$170		0,01 mm / 0.0005 in	0.0001 in	
4307970	801 SGI	\$185	\$148	±0,3 mm / 0.015 in			
4308970	801 SGM	\$243	\$194	± 0.004 in			
4306950	801 SL	\$234	\$187	±0.0005 in	0.0005 in	1.1 in	1.62 in
4306960	801 SGL	\$266	\$213			1.5 in	
4302950	801 V	\$236	\$189	±0.015 in		1.0 in	0.57 in
4302960	801 VGM	\$266	\$213	±0.004 in	0.0001 in	1.5 in	

Digimar® 814 SR | Height Measuring and Scribing Instruments

For fast height measuring or scribing applications when used on granite plate bases. With its rapid drive and large digital display, direct or comparative readings are fast and simple.



\$917

Order No. 4426100



Quick Drive Allows Fast Positioning



Order No.	List Price	Promo Price	Measuring Range	Resolution
4426100	\$965	\$917	0 - 350 mm / 0 - 14 in	0,01 mm / 0.0005 in

Digimar 816 CL | Height Measuring Instrument

The Digimar 816 CL height gage provides highly accurate measurements without complicated procedures. A robust design and user-friendly operation are combined with advanced features and functionality to improve dimensional measurement on the shop floor or in the lab.



\$5,729

Order No. 4429030



Ideal for Fast, in Production Part Inspection



Order No.	4429030	4429031
List Price	\$6,030	\$6,480
Promo Price	\$5,729	\$6,156
Measuring Range	0 - 350 mm / 0 - 14 in	0 - 600 mm / 0 - 24 in
Range of Application From...To	540 mm / 21.26 in	770 mm / 30.31 in
Resolution	0,01 mm, 0,001 mm / 0.0001 in, 0.00005 in	

Digimar 817 CLM | Height Measuring Instrument

The Digimar 817 CLM offers a wide range of measurement applications in both 1D and 2D, including dynamic measurement functions with analog display such as MAX, MIN and MAX/MIN. Operation is easy, with self-explanatory ISO standard icons, operator prompts and menus in several different languages.

\$8,056

Order No. 4429010



Optional Accessory for Squareness Checks



Order No.	4429010	4429011	4429012
List Price	\$8,480	\$9,020	\$16,080
Promo Price	<b>\$8,056</b>	<b>\$8,569</b>	<b>\$15,276</b>
Measuring Range	0 - 350 mm / 0 - 14 in	0 - 600 mm / 0 - 24 in	0 - 1000 mm / 0 - 40 in
Range of Application	520 mm / 20.47 in	770 mm / 30.31 in	1170 mm / 46.06 in
Resolution	0,01 mm, 0,005 mm, 0,001 mm, 0,0005 mm, 0,0001 mm / 0.001 in, 0.0005 in, 0.0001 in, 0.00005 in, 0.00001 in		
Error Limit	(1,8 + L/600) L in mm		
Repeatability: Bore	1 µm		
Repeatability: Plane	0,5 µm		
Perpendicularity Error in µm	≤5 µm	≤6 µm	≤10 µm
Operating Time Max.	Up to 12 hours		
Measuring Force	1.0 +/- 0.2 N		
Permissible Relative Air Humidity Non-Condensed	65%		
Working Temperature	20 °C / 68 °F		
Operating Temperature	10 °C - 40 °C / 50 °F - 104 °F		



Digimar Probe Accessory Set

Order No.	4429018	4429019
List Price	\$1,210	\$1,750
Promo Price	<b>\$1,150</b>	<b>\$1,663</b>
Probe Set	817 ts2	817 ts1

Millimar® C 1200 | Compact Amplifier

Millimar compact amplifiers are easy to use and allow users to view analog scale, digital readout, or both. These evaluation instruments are highly accurate and insensitive to environmental influences.



\$1,301

Order No. 5312010



Order No.	5312010
List Price	\$1,530
Promo Price	\$1,301
Digital	± 5000 mm / ± 0.194 in
Display	± 5000 mm, ± 2000 mm / ± 0.19 in, ± 0.07 in
Range Analog	± 1000 mm, ± 300 mm / ± 0.03 in, ± 0.01 in
	± 100 mm, ± 30 mm / ± 0.003 in, ± 0.001 in
	± 10 mm, ± 3 mm / ± 0.0003 in, ± 0.0001 in
Resolution	10 μmm, 1 μmm, 0.1 μmm / 100 μin, 10 μin, 5 μin

Millimar P2004 M | Inductive Probe

Robust construction and precise frictionless ball bearing, provides high performance.



Order No.	5323010
List Price	\$438
Promo Price	\$372
Product	P2004 M
Measuring Range	± 2 mm / ± 0.078 in



\$372

Order No. 5323010

◀ with 8 mm Diameter

Pocket Surf® IV | The Portable Surface Roughness Gage

The Pocket Surf IV is simple to use and easy to read, displaying measurement results of Ra, Rz, or Rmax at a glance. This portable surface finish gage employs Mahr's unique MarConnect universal interface which allows for USB, RS-232 or digimatic output of data by choosing the right cable.



\$2,104

Order No. 2191800

Order No.	2191800	2191802
List Price	\$2,630	
Promo Price	\$2,104	
Traverse Length (Nominal)	R <sub>a</sub> /R <sub>y</sub>	2.0 mm / 0.075 in 3.5 mm / 0.135 in
	R <sub>a</sub> /R <sub>z</sub> /R <sub>max</sub>	5.0 mm / 0.195 in
Evaluation Length	R <sub>a</sub> /R <sub>y</sub>	0.8 mm / 0.030 in 2.4 mm / 0.090 in
	R <sub>a</sub> /R <sub>z</sub> /R <sub>max</sub>	4.0 mm / 0.150 in
Includes	10 μm Radius	5 μm Radius, Certified Specimen, Probe

Note: A Pocket Surf kit includes a Pocket Surf unit, general purpose probe, 3.2 μm/125 μin (nominal) reference specimen, 9 Volt battery, riser plate, and a fitted case

MarSurf® PS 10 | Roughness Measuring Unit

The MarSurf PS 10 is a practical roughness measuring unit for mobile use. Using a smartphone-like 4.3 in TFT touch screen display, operation is fast, intuitive and user-friendly. Our next generation MarSurf PS 10 measures 31 roughness parameters, incorporates a removable drive and provides laboratory level performance on the shop floor.

\$2,599

Order No. 6910230



Order No.	6910230	6910232
List Price	\$2,890	
Promo Price	\$2,599	
Measuring Principle	Skid Probe System	
Number of Parameters	31 (DIN/ISO, JIS, ASME, MOTIF)	
Measuring Range	350 µm / 0.014 µin	
Profile Resolution	8 µm / 3 µin	
Internal Memory	3,900 Profiles, 1500 PDF Files, 500,000 Results, Memory can be Extended with Micro SD-Card up to 32 GB	
Description	PS 10 Kit with 2 µm Probe Tip	PS 10 Kit with 5 µm Probe Tip

MarSurf PS 10 C2 | with Traverse Drive



▲ Traverse Drive for Shaft Measurements

\$3,420

Order No. 6910235



Order No.	6910235
List Price	\$3,800
Promo Price	\$3,420
Stylus	2 µm
Traverse Length Lt According to ISO/JIS	1,5 mm, 4,8 mm, N x Lc, Variable, Automatic
Traverse Length According to 12085 (MOTIF)	1 mm, 2 mm, 4 mm
Evaluation Length According to ISO/JIS	1,25 mm, 4,0 mm

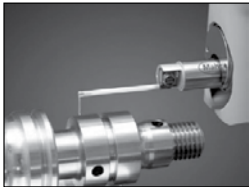
MarSurf M 400 | Fast, Easy, Innovative - Wireless Connectivity between Drive and Controller

Both in the measuring room and production area, there is a need for surface evaluation requiring skidless tracing. This generally requires a higher degree of skilled operators, work alignment and time. The MarSurf M 400 has the necessary functions and features for the most demanding measurements, while being quick and easy to use. Wireless connectivity increases versatility and portability.



\$9,441

Order No. 6910404



▲  
High Performance Skidless Measurement

MarSurf M 400 C | Fast, Easy, Innovative - Wired Drive and Controller



Order No.	6910404	6910412
List Price	\$10,490	
Promo Price	\$9,441	
Product	M 400	M 400 C
Measuring Principle	Stylus Method	
Probe	BFW Skidless System	
Measuring Range	± 250 µm (up to ± 750 µm with 3x probe arm length)	
Profile Resolution	Measuring range +/- 250 µm: 8 nm Measuring range +/- 25 µm: 0,8 nm	
Filter According to ISO/JIS	Gaussian filter as per ISO 11562 Filter as per ISO 13565	
Number n of Sampling Length According to ISO/JIS	1 - 5	
Contacting Speeds	0,2 mm/s; 1,0 mm/s	
Measuring Force (N)	5 mN	
Weight Drive Unit	Approximately 0,9 kg	
Weight Measuring Instrument	Approximately 1,0 kg	
Surface Parameters	Over 50 surface parameters for R, P and W profiles according to current ISO/JIS or MOTIF standards (ISO 12085)	

Optimar 25 | Long Range Indicator Calibrator

A precision benchtop instrument, the Optimar 25 can be used for the calibration of a wide variety of precision measuring instruments. The Optimar 25 calibrator is capable of measuring to many National Standards and comes with a large MarCheck LCD monochrome digital display with background illumination and clear 13 mm/0.512 in high digits.

\$7,275

Order No. 2062722

Order No.	2062722
List Price	\$8,559
Promo Price	\$7,275
Range	25 mm / 1 in
Resolution	0,0001 mm, 0,0005 mm, 0,001 mm, 0,005 mm, 0,01 mm, 0,1 mm / 0.000005 in, 0.00001 in, 0.00005 in, 0.0001 in, 0.0005 in, 0.001 in
Accuracy	± 0,2 µm (± 10 µin)
Display Power	110V - 60Hz, 240V - 50Hz



Precimar® SM 60 | Small Length Measurement System

The Precimar SM 60 is an easy-to-use small length measurement system for fast and precise measurement on workpieces. With easy setup and your choice of readout, the SM 60 quickly adapts to the measurement requirements.

\$2,520

Order No. 5357360



Shown with optional 1086 R indicator



Order No.	Model	List Price	Promo Price	Measuring Range	Capacity	Details
5357360	SM 60	\$2,800	\$2,520	0- 25 mm / 0 - 1 in	0 - 60 mm / 0 - 2.36 in	6.5 mm Diameter Hardened Anvils
4337697	1086 R-HR	\$795	\$716	0 - 12,5 mm / 0 - 0.5 in	0,0001 mm, 0,0005 mm, 0,001 mm, 0,002 mm, 0,005 mm, 0,01 mm / 0.000001 in, 0.00002 in, 0.00005 in, 0.0001 in, 0.0002 in, 0.0005 in	
4337695	1087 R-HR	\$995	\$896			



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