

MAHRLIGHTS

Willrich Precision Ph 866-945-5742 email: sales@willrich.com 5 | 2018

 <p>NEW</p> <p>MICROMAR 40 EWri</p>	 <p>MARSURF® PS 10</p>	<p>* Free Download</p>  <p>MARCOM PROFESSIONAL</p>
 <p>DIGIMAR® 817 CLM</p>	 <p>Sign up to receive Tips from Mahr's Gaging Guru www.mahr.com/gagingtips</p>	 <p>MARVISION® MM 420</p>
 <p>PRECIMAR LINEAR 100</p>	 <p>MARCONNECT i-STICK</p>	 <p>MARCAL 16 EWri</p>

Promotion prices valid from May 1st through August 31st 2018

* MARCOM PROFESSIONAL SOFTWARE
INTERFACE FOR CONNECTING
MEASURING INSTRUMENTS BY CABLE OR
WIRELESS - NOW AVAILABLE TO
DOWNLOAD FREE OF CHARGE - See page 9

- 0 +



EXACTLY

MAHR® CONNECTIVITY

Sending Measuring Results

Data

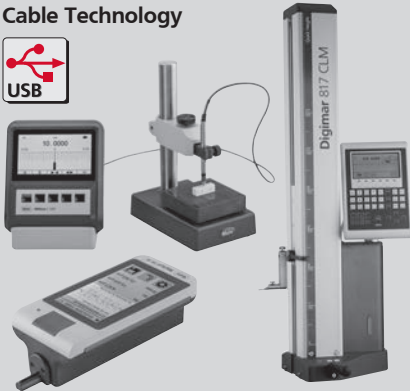
Integrated Wireless Technology



Retrofitted Wireless Technology



Cable Technology



MarCom Pro
FREE TO D
www.mahr.com

HIGHLIGHT: Our contribution to Industry 4.0: You can now download MarCom Professional Software free of charge!

Transfer **Data Processing**



CAQ/SPC Software

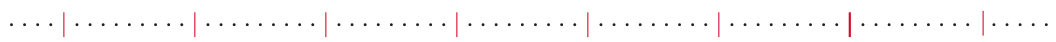
SABTEC **Q-DAS**
STATISTISKA DATA SYSTEM

Microsoft Office Excel®

	A	B	C
1			
2			
3			
4			
5			
6			

Any Windows Software

Flexible Data Processing



MarCator 1086 R / 1086 Ri Digital Indicators

Fixed Resolution

The 1086 digital indicators with fixed resolution incorporate the reference system which automatically stores the zero position for further measurements. 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.

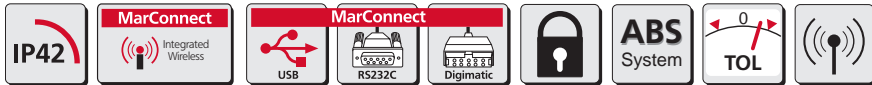


PROMO PRICE
\$315
LIST PRICE
\$371

ORDER NO. 4337130

-15%

REFERENCE



Order No.	Model	List Price	Promo Price	Measuring Range	Resolution	Wireless
4337130	1086 R	\$371	\$315	12,5 mm / 0.5 in	0,01 mm / 0.0005 in	
4337131	1086 R	\$485	\$412	25 mm / 1 in		
4337132	1086 R	\$809	\$687	50 mm / 2 in		
4337133	1086 R	\$1,060	\$900	100 mm / 4 in		
4337134	1086 Ri	\$428	\$363	12,5 mm / 0.5 in		X
4337135	1086 Ri	\$500	\$425	25 mm / 1 in		X

Note: all indicators with 8 mm stem diameter

MarCator 1086 R/ 1086 Ri/ 1086 WR/ 1086 WRi Digital Indicators

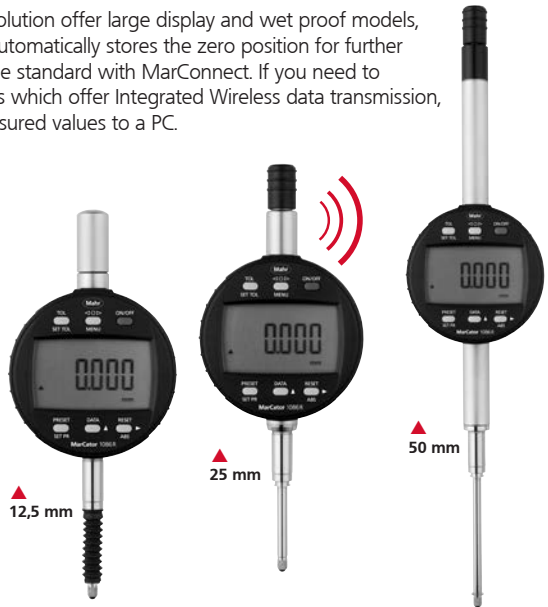
Selectable Resolution

The 1086 digital indicators with selectable resolution offer large display and wet proof models, and incorporate the reference system which automatically stores the zero position for further measurements. 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.

PROMO PRICE
\$390
LIST PRICE
\$459

ORDER NO. 4337620

-15%



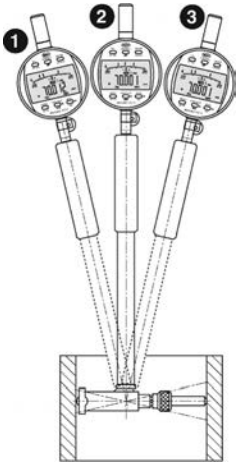
Order No.	Model	List Price	Promo Price	Measuring Span	Resolution	Wireless	Wet Proof 	
4337620	1086 R	\$459	\$390	12,5 mm / 0.5 in	0,0005 mm, 0,001 mm, 0,002 mm, 0,005 mm, 0,01 mm / 0,00002 in, 0,00005 in, 0,0001in, 0,0002 in, 0,0005 in			
4337621	1086 R	\$541	\$459	25 mm / 1 in				
4337622	1086 R	\$907	\$770	50 mm / 2 in				
4337623	1086 R	\$1,140	\$969	100 mm / 4 in				
4337650*	1086 ZR	\$459	\$390	12,5 mm / 0.5 in				
4337651*	1086 ZR	\$541	\$459	25 mm / 1 in				
4337624	1086 Ri	\$515	\$438	12,5 mm / 0.5 in		X		
4337625	1086 Ri	\$577	\$490	25 mm / 1 in		X		
4337626	1086 Ri	\$943	\$800	50 mm / 2 in		X		
4337627	1086 Ri	\$1,160	\$986	100 mm / 4 in		X		
4337628**	1086 Ri	\$593	\$504	25 mm / 1 in		X		
4337640	1086 WR	\$567	\$482	12,5 mm / 0.5 in				X
4337641	1086 WR	\$617	\$524	25 mm / 1 in				X
4337142	1086 WRi	\$608	\$516	12,5 mm / 0.5 in			X	X
4337143	1086 WRi	\$670	\$570	25 mm / 1 in		X	X	

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

MarCator 1087 R/ 1087 ZR/ 1087 Ri/ 1087 BR / 1087 BRi Digital Indicators

Dynamic Capabilities

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



▲ 12,5 mm Dynamic Capability

PROMO PRICE
\$464
LIST PRICE
\$546

ORDER NO. 4337660

-15%

REFERENCE



Order No.	Model	List Price	Promo Price	Measuring Range	Resolution	Wireless	Bore Gage Version
4337660	1087 R	\$546	\$464	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	1087 R	\$629	\$534	25 mm / 1 in			
4337670*	1087 ZR	\$546	\$464	12,5 mm / 0.5 in			
4337666	1087 R	\$999	\$849	50 mm / 2 in			
4337671*	1087 ZR	\$629	\$534	25 mm / 1 in			
4337663	1087 Ri	\$593	\$504	12,5 mm / 0.5 in		X	
4337665	1087 Ri	\$698	\$593	25 mm / 1 in		X	
4337667	1087 Ri	\$1,075	\$913	50 mm / 2 in		X	
4337662	1087 BR	\$629	\$534	12,5 mm / 0.5 in			
4337664	1087 BRi	\$696	\$591			X	X

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 NEW MarCal 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.

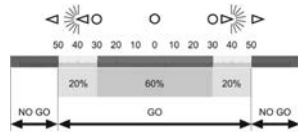
INTRODUCTORY PRICE

\$349

ORDER NO. 4157100



REFERENCE



Order No.	Model	List Price	Measuring Range	Resolution	Error Limit	Spindle Thread Pitch	Measuring Force
4157100	40 EWRi	\$349	0 - 25 mm / 0 - 1 in	0,001 mm / 0.00005 in	2 µm	0,5 mm	5 N - 10 N
4157101		\$419	25 mm - 50 mm / 1 in - 2 in				
4157102		\$549	50 mm - 75 mm / 2 in - 3 in				
4157103		\$599	75 mm - 100 mm / 3 in - 4 in				

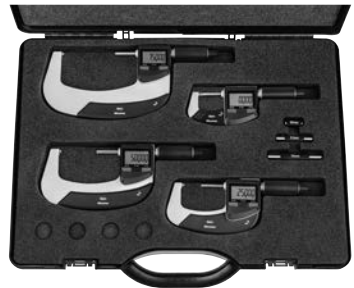
Micromar 40 EWRi Digital Micrometer Set

INTRODUCTORY PRICE

\$1,900

ORDER NO. 4157115

REFERENCE



Order No.	Model	List Price	Measuring Range	Resolution	Number of Micrometers	Spindle Thread Pitch	Measuring Force
4157115	40 EWRi	\$1900	0 - 100 mm / 0 - 4 in	0,001 mm / 0.00005 in	4	0,5 mm	5 N - 10 N

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.



i-Stick Wireless Receiver



REFERENCE



-15%

PROMO PRICE
\$342
LIST PRICE
\$403

ORDER NO. 2121610

Order No.	List Price	Promo Price	Measuring Range	Resolution	Depth Rod	Friction Wheel
2121610*	\$403	\$342	150 mm / 6 in	0,01 mm / 0.0005 in	<input type="checkbox"/>	<input type="checkbox"/>
2121611*	\$403	\$342			<input type="checkbox"/>	<input type="checkbox"/>

* Starter set includes an i-Stick wireless receiver

MarCal 16 EWRi Digital Caliper



REFERENCE



-15%

PROMO PRICE
\$199
LIST PRICE
\$235

ORDER NO. 4103400

Order No.	List Price	Promo Price	Measuring Range	Resolution	Error Limit G	Depth Rod			Friction Wheel
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103400	\$235	\$199	150 mm / 6 in	0,01 mm / 0.0005 in	0,03 mm / 0.001 in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103401	\$235	\$199				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103402	\$235	\$199				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103403	\$235	\$199				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103404	\$272	\$230	200 mm / 8 in	0,01 mm / 0.0005 in	0,03 mm / 0.001 in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103405	\$272	\$230				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103406	\$408	\$346	300 mm / 12 in	0,01 mm / 0.0005 in	0,04 mm / 0.0015 in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103407	\$408	\$346				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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.



PROMO PRICE
\$142
LIST PRICE
\$168

ORDER NO. 4102220

-15%



Order No.	4102220
List Price	\$168
Promo Price	\$142
Includes	USB Wireless Receiver for Mahr Measuring Instruments
Channels	3
Connectable Devices with Integrated Wireless	8 per i-Stick
Radio Frequency MHz	2400
Distance of Radio Wave	Up to 6 m / 19.6 ft
For Measuring Instruments	MarCal 16 EW/Ri / 30 EW/Ri MarCator 1086 Ri / 1087 Ri / 1087 BRi



MarCom Professional 5.2 Software Interface

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

For FREE
download
www.mahr.com/marcom



Order No.	4102212
List Price	\$427
Promo Price	FREE
Connected Wireless Receivers for the i-Stick	4
Connectable Devices with Integrated Wireless	32
Connected Wireless Receivers for the e-Stick	1
Connectable Sender Modules for the e-Stick	8
Connected Wireless Receivers FM 2	1
Connectable Sender Modules for the Wireless Receivers FM 2	100
Devices to be Connected with a USB Interface	128
Connectable USB Foot Switches	128
Devices to be Connected with an RS232C Interface	2
Virtual Interface Boxes (8 Inputs)	4

PROMO PRICE
FREE
LIST PRICE
\$427

MARCAL The New Wireless Caliper Standard

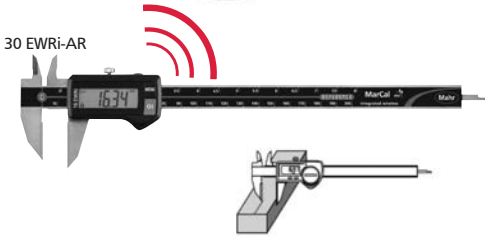
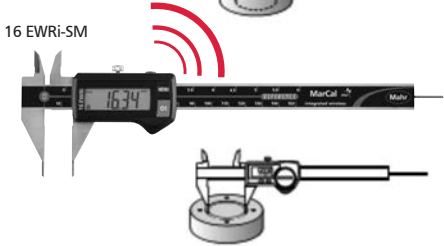
Digital Calipers for Special Applications

Mahr offers a range of calipers for special applications featuring our state-of-the-art measuring system with Integrated Wireless. The range includes special calipers, universal calipers, and depth gages.

REFERENCE



-15%



Order No.	Model	List Price	Promo Price	Description	Measuring Range	Resolution
4103372	16 EWri-C	\$425	\$360	Ceramic Outer Measuring Surfaces	0 - 150 mm / 0 - 6 in	0,01 mm / 0.0005 in
4103373	16 EWri-H	\$499	\$425	Carbide Outer Measuring Surfaces	0 - 150 mm / 0 - 6 in	
4103382	16 EWri-AR	\$425	\$361	Scribing Caliper	0 - 200 mm / 0 - 8 in	
4103376	16 EWri-SM	\$615	\$522	Caliper with Pointed Jaws	0 - 150 mm / 0 - 6 in	
4103384	16 EWri-BA	\$695	\$590	Caliper with Center Distance Jaws	10 mm - 210 mm / 0.4 in - 8.3 in	
4103381	16 EWri-RW	\$690	\$586	Caliper for Wall Thickness	0 - 150 mm / 0 - 6 in	
4103385	16 EWri-LI	\$990	\$840	Caliper with Inner Blades	10 mm - 200 mm / 0.4 in - 8.3 in	

-15%

REFERENCE



Order No.	Model	List Price	Promo Price	Description	Measuring Range	Resolution
4103377	16 EWRI-SA	\$865	\$735	Caliper with Inward Pointed Tips	0 - 140 mm / 0 - 5.5 in	0,01 mm / 0.0005 in
4103379	16 EWRI-AA	\$730	\$620	Caliper with Inward Pointed Anvils	0 - 150 mm / 0 - 6 in	
4103378	16 EWRI-SI	\$780	\$665	Caliper with Outward Pointed Tips	20 mm - 170 mm / 0.8 in - 6.7 in	
4103380	16 EWRI-AI	\$912	\$775	Caliper with Outward Pointed Anvils	10 mm - 160 mm / 0.4 in - 6.3 in	
4103374	16 EWRI-NA	\$790	\$671	Caliper with Narrow Jaws	0 - 150 mm / 0 - 6 in	
4103375	16 EWRI-S	\$565	\$480	Caliper with Pointed Jaws		
4103383	16 EWRI-VS	\$665	\$560	Caliper with Offset, Moving Jaws	0 - 200 mm / 0 - 8 in	

MarCal 30 EWri-D Digital Depth Gage

The 30 EWri-D is a digital depth gage with hook contacts to read depths from the top or the bottom.



REFERENCE



PROMO PRICE

\$580

LIST PRICE

\$682

ORDER NO. 4126533

-15%

Order No.	List Price	Promo Price	Measuring Range	Resolution	Error Limit
4126533	\$682	\$580	0 - 200 mm / 0 - 8 in	0,01 mm / 0.0005 in	0,03 mm
4126534	\$850	\$722	0 - 300 mm / 0 - 12 in		0,04 mm

MarCal 30 EWri-N Digital Depth Gage

The 30 EWri-N is a versatile depth gage with interchangeable contact for various depth applications.



REFERENCE



PROMO PRICE

\$662

LIST PRICE

\$779

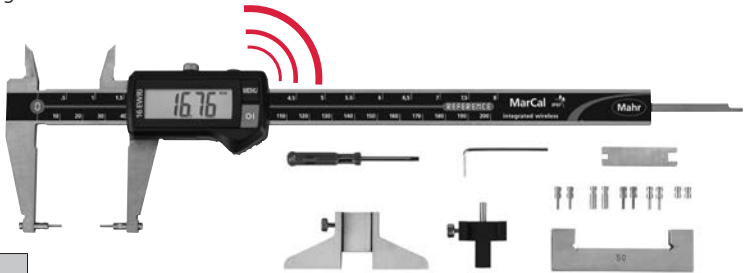
ORDER NO. 4126532

-15%

Order No.	List Price	Promo Price	Measuring Range	Resolution	Error Limit
4126532	\$779	\$662	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 Ri-V incorporates the Integrated Wireless transmitter.



PROMO PRICE

\$495

LIST PRICE

\$585

ORDER NO. 4118807

-15%

REFERENCE



Order No.	List Price	Promo Price	Measuring Range	Resolution	Depth Rod	Wireless
4118807	\$585	\$495	0 - 200 mm / 0 - 8 in	0,01 mm / 0.0005 in	Rectangular	
4118907	\$675	\$574				X

MarCal 30 EWRi Digital Depth Gage

The 30 EWRi digital depth gage ensures reliable results due to its rigid design and versatile contact.



PROMO PRICE

\$511

LIST PRICE

\$602

ORDER NO. 4126755

-15%

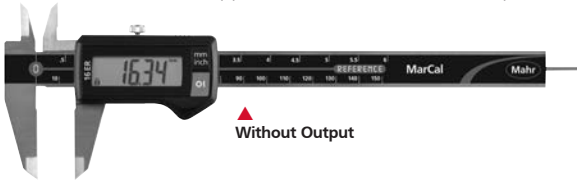
REFERENCE



Order No.	List Price	Promo Price	Measuring Range	Resolution	Error Limit
4126755	\$602	\$511	0 - 150 mm / 0 - 6 in	0,01 mm / 0.0005 in	0,03 mm
4126754	\$649	\$551	0 - 1200 mm / 0 - 8 in		
4126756	\$704	\$598	0 - 1300 mm / 0 - 12 in		
4126757	\$841	\$715	0 - 1500 mm / 0 - 20 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.



PROMO PRICE	
\$117	
LIST PRICE	
\$130	

ORDER NO. 4103010P

-10%

PROMO PRICE	
\$144	
LIST PRICE	
\$160	

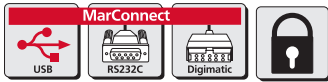
ORDER NO. 4103014

-10%

REFERENCE



REFERENCE



Order No.	List Price	Promo Price	Measuring Range	Type	Error Limit G	Depth Rod		Friction Wheel	
4103010	\$130	\$117	150 mm / 6 in	Without Output	0,03 mm / 0,001 in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4103011	\$130	\$117				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4103012	\$130	\$117				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4103013	\$130	\$117				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
4103205	\$200	\$180				200 mm / 8 in	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103206	\$200	\$180	<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>		
4103207	\$300	\$270	300 mm / 12 in		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
4103208	\$300	\$270			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
4103014	\$160	\$144	150 mm / 6 in		With Output	0,03 mm / 0,001 in	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103015	\$160	\$144	<input checked="" type="checkbox"/>				<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4103018	\$217	\$195	200 mm / 8 in	<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4103020	\$340	\$306	300 mm / 12 in	0,04 mm / 0,0015 in		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4103016	\$160	\$144	150 mm / 6 in	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4103017	\$160	\$144		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
4103019	\$217	\$195		200 mm / 8 in		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
4103021	\$340	\$306	300 mm / 12 in	0,04 mm / 0,0015 in		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Note: resolution is 0,01 mm / 0,0005 in for all calipers

Micromar 40 ER Digital Micrometer

The NEW 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

\$199

ORDER NO. 4157010

REFERENCE



Order No.	Model	List Price	Measuring Range	Resolution	Error Limit	Spindle Thread Pitch	Measuring Force	Standard
4157010	40 ER	\$199	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 NEW 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

\$260

ORDER NO. 4157011

REFERENCE



Order No.	Model	List Price	Measuring Range	Resolution	Error Limit	Spindle Thread Pitch	Measuring Force	Standard
4157011	40 EWR	\$260	0 - 25 mm / 0 - 1 in	0,001 mm / 0,00005 in	2 µm	0,5 mm	5 N - 10 N	Factory Standard
4157012		\$360	25 mm - 50 mm / 1 in - 2 in					
4157013		\$445	50 mm - 75 mm / 2 in - 3 in		3 µm			
4157014		\$499	75 mm - 100 mm / 3 in - 4 in					

Self-Centering Measuring Pistol Micromar 844 A

Mahr Inc's 844A self centering pistol style bore gages offer long measuring range with fixed anvils. The pistol grip incorporates a constant measuring pressure for locking onto the bore diameter with no operator influence.

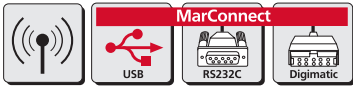


PROMO PRICE
\$2,740
LIST PRICE
\$3,230

ORDER NO. 4487760

-15%

▲
Self Centering Bore Gage Kit



Order No.	Model	List Price	Promo Price	Measuring Range	Number of Measuring Heads	Ring Gages
4487760	1086 R	\$3,230	\$2,740	6 mm - 12 mm / 0.25 in - 0.4725 in	3	8 / 10
4487761		\$3,150		12 mm - 20 mm / 0.4725 in - 0.775 in	2	16
4487762		\$3,990	\$3,390	20 mm - 50 mm / 0.775 in - 0.2 in	4	25 / 40
4487763		\$4,280		50 mm - 100 mm / 2 in - 4 in		25 / 40

Note: Indicator is not taken into consideration, over the full length of the anvils.
With the extension 44 Av
Excludes indicator * 3/8 in stem diameter.

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.



▲ 1002 Z



▲ 1003 Z



▲ 1004 Z

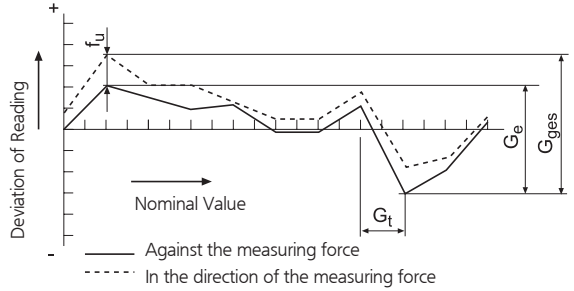


▲ 1010 Z

PROMO PRICE
\$238
LIST PRICE
\$280

ORDER NO. 4332905

-20%



Order No.	Model	List Price	Promo Price	Measuring Range	Readings	Overtravel	Measuring Force
4335900	1002 Z	\$569	\$455	± 0.0010 in	0.00002 in	0.11 in	1 N
4335905*		\$626	\$500				
4334905*	1003 Z	\$370	\$296	± 0.0020 in	0.00005 in		
4334900		\$259	\$207				
4333905*	1004 Z	\$370	\$296	± 0.0050 in	0.0001 in		
4333900		\$250	\$200				
4332900	1010 Z	\$241	\$192	± 0.0100 in	0.0005 in	0.10 in	
4332905		\$280	\$238				

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)

Digimar 816 CL Height Measuring Instrument

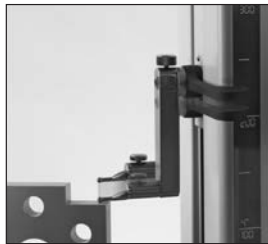
The Digimar 816 CL height gage provides highly accurate measurements without complicated procedures. A robust design and user-friendly operation are combined with advanced features and functionality to improve dimensional measurement on the shop floor or in the lab.



PROMO PRICE
\$4,680
LIST PRICE
\$5,850

-20%

ORDER NO. 4429030



▲ **Ideal for fast, in production part inspection**



Order No.	4429030	4429031
List Price	\$5,850	\$6,290
Promo Price	\$4,680	\$5,032
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	
Error Limit	(2,8 + L/300) L in mm	
Repeatability: Bore	3 µm	
Repeatability: Plane	2 µm	
Perpendicularity Error in µm	≤15 µm	≤20 µm
Operating Time Max.	Up to 14 h	
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	

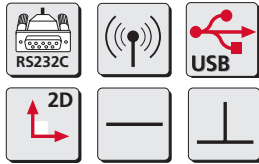
Digimar 817 CLM Height Measuring Instrument

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.

PROMO PRICE
\$6,584
LIST PRICE
\$8,230

-20%

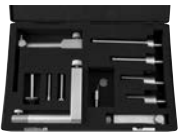
ORDER NO. 4429010



▲ **Optional Accessory for Squareness Checks**



Order No.	4429010	4429011	4429012
List Price	\$8,230	\$8,750	\$15,610
Promo Price	\$6,584	\$7,000	\$12,488
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		

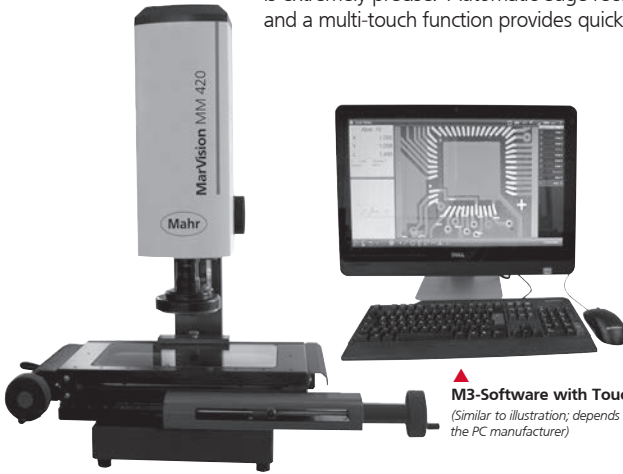


▲ **Digimar Probe Accessory Set**

Order No.	4429018	4429019
List Price	\$1,170	\$1,690
Promo Price	\$936	\$1,352
Probe Set	817 ts2	817 ts1

MarVision MM 420 Workshop Measuring Microscope

The MarVision MM 420 video measuring microscope with image processing is designed for the measurement and/or dimensioning of geometric elements and is extremely precise. Automatic edge recognition detects low contrast features and a multi-touch function provides quick and continuous variable magnification.



▲
M3-Software with Touchscreen-PC
(Similar to illustration; depends upon the PC manufacturer)

PROMO PRICE

\$25,899

LIST PRICE

\$30,470

ORDER NO. 26083801

-15%

Order No.	26083801	26084001	26084201
List Price	\$30,470	\$32,550	\$41,060
Promo Price	\$25,899	\$27,667	\$34,900
Measuring Range X/Y*	200 mm / 100 mm	250 mm / 170 mm	400 mm / 250 mm
	7.9 in / 3.9 in	9.80 in / 6.7 in	15.7 in / 9.8 in
Z Travel	200 mm / 400 mm** 7.9 in / 15.8 in**		
Measuring Table Dimensions	370 mm x 210 mm / 14.6 in x 8.3 in	420 mm x 280 mm / 16.5 in x 11.0 in	600 mm x 480 mm / 23.6 in x 18.9 in
Max. Table Load	20 kg / 44 lbs		
Measuring System:	Built-In Incremental Measuring Scale		
- Resolution	0,001 µm / 0.00005 in		
- MPE E ₁ X / Y in µm (L in mm)	1,9 +(L/100)		3,9 +(L/100)
- MPE E ₂ XY in µm (L in mm)	2,9 +(L/100)		4,9 +(L/100)
Working Distance	85 mm / 3.3 in		
Max. Height of Test Piece	ca. 65 mm / 300 mm** 2.6 in / 11.8 in**		300 mm / 11.8 in
Illumination	LED Incident and Transmitted Light, Individually Adjustable		
Dimensions* H x W x D	700 mm x 650 mm x 550 mm	700 mm x 700 mm x 600 mm	800 mm x 1000 mm x 900 mm
	27.6 in x 25.6 in x 21.6 in	27.6 in x 27.6 in x 23.6 in	31.5 in x 39.4 in x 35.4 in
Magnification***	Zoom 35-225x		

* Measuring table is centered

** Extensions are optional

*** On screen

Specialized table sizes are available upon request, up to 1000 x 250 mm travel path

Accessories for Microscopes: see Dimensional Metrology catalog, Chapter 18

The NEW 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.

PROMO PRICE
\$2,520
LIST PRICE
\$2,800

-10%



ORDER NO. 6910230 & 6910232

Order No.	6910230	6910232
List Price	\$2,800	
Promo Price	\$2,520	
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

PROMO PRICE
\$3,312
LIST PRICE
\$3,680

-10%



ORDER NO. 6910235

Order No.	6910235
List Price	\$3,680
Promo Price	\$3,312
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.

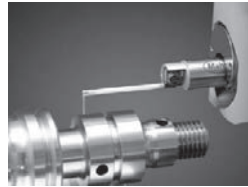


PROMO PRICE
\$9,180
LIST PRICE
\$10,180

ORDER NO. 6910404 & 691042

-10%

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



Order No.	6910404	6910412
List Price	\$10,180	
Promo Price	\$9,180	
Product	M400	M400C
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)	

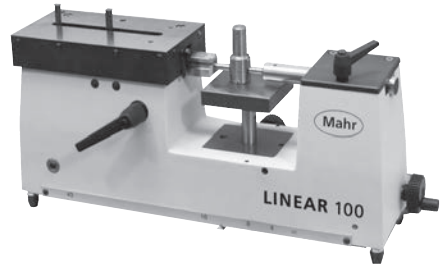
Precimar Linear 100 Universal Single-Axis Length Measurement Length

Linear 100 is a universal, user-friendly length measuring instrument for rapid, precise internal and external measurements up to 100 mm (4 in), directly in the manufacturing environment. The unit's simple design makes it possible to carry out measurements in no time at all and adapt quickly to new measurement tasks.

PROMO PRICE	
	\$12,665
	LIST PRICE
	\$14,900

ORDER NO. 5357301

-15%



Order No.	5357301
List Price	\$14,900
Promo Price	\$12,665
Measuring Range (External)	Up to 50 mm / 2 in
Application Range (External)	Up to 100 mm / 4 in
Application Range (Internal)	15 mm to 100 mm (0.59 in to 4 in)
Additional Option	6 mm to 100 mm (0.24 in to 4 in)



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 clearly readable 13 mm/0.512 in high digits.

PROMO PRICE	
	\$7,065
	LIST PRICE
	\$8,310

ORDER NO. 2062722

-15%

Order No.	2062722
List Price	\$8,310
Promo Price	\$7,065
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	$\pm 0.2 \mu\text{m}$ ($\pm 10 \mu\text{in}$)
Display Power	110V - 60Hz, 240V - 50Hz



MICROSCOPES



SURFACE MEASUREMENT



HEIGHT MEASUREMENT



CALPERS & MICROMETERS



INDICATORS & COMPARATORS



AIR GAGING



SNAP GAGES



TEST INDICATORS



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- 0 +



EXACTLY



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