


MAHR® SPOTLIGHTS

1 | 2018

Willrich Precision
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 <p>MARCATOR 1087 Ri</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>NEW</p>  <p>MICROMAR 40 EWRI</p>
 <p>MARCAL 16 EWRI</p>	 <p>MARCONNECT i-STICK</p>	 <p>SETTING STANDARDS</p>

Promotion prices valid from January 1st through April 30th 2018

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

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EXACTLY

JUST RELEASED

the NEW full Mahr® product catalog




The new Mahr full line product catalog is available to download on your desktop or laptop. Downloading to your laptop or desktop gives you some additional features that you don't have on the Android or iPhone versions.

To download the catalog onto your computer, type in **catalogs.mahrexactly.com** in your search engine. We recently added videos to several sections of the catalog - The navigation will direct you to them.

If you have not downloaded the catalog to your mobile, instructions are below for both the Android and iPhone.

catalogs.mahrexactly.com

Instructions for Android

- ▶ Go to the Google Play Store 
- ▶ Search for Mahr Exactly
- ▶ Select the Mahr Icon that Appears
- ▶ Under Apps
- ▶ Select Install



Instructions for Apple

- ▶ Go to Apple Store 
- ▶ Search for Mahr Exactly
- ▶ Click GET



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WINTER SPOTLIGHTS

SMAHRT METROLOGY



MARCONNECT

**PATENTED INNOVATIVE
WIRELESS TECHNOLOGY**

WIRELESS DEVICES FOR MORE MEASURING CONVENIENCE

Mahr's new devices with Integrated Wireless transmitters are designed for user-friendly, practical and cost-effective use in your factory. They will make your measurement recording processes much faster and more efficient.

Mahr's calipers, micrometers and indicators herald a new era:

Mahr has enhanced its MarCal, Micromar and MarCator ranges with state-of-the-art patented technology.



These special measuring instruments:

- Have a transmitter directly integrated in the measuring instrument
- Are energy efficient and do not require a separate battery

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.

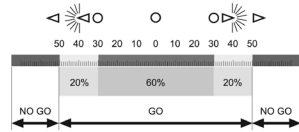


INTRODUCTORY PRICE

\$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

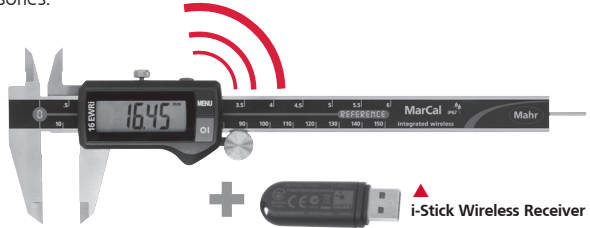


Order No.	Model	List Price	Measuring Range	Resolution	Number of Micrometers	Spindle Thread Pitch	Measuring Force
4157115	40 EWRi	\$1900	0 - 100 mm / 0 - 4 in	0,001 mm / 0.00005 in	4	0,5 mm	5 N - 10 N

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.

PROMO PRICE
\$342
LIST PRICE
\$403

ORDER NO. 2121610P



-15%



REFERENCE



Order No.	List Price	Promo Price	Measuring Range	Resolution	Depth Rod		Friction Wheel
2121610P*	\$403	\$342	150 mm / 6 in	0,01 mm / 0,0005 in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2121611P*	\$403	\$342			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* Starter set includes an i-Stick wireless receiver

PROMO PRICE
\$199
LIST PRICE
\$235

ORDER NO. 4103400P

MarCal 16 EWRi Digital Caliper



-15%

REFERENCE



Order No.	List Price	Promo Price	Measuring Range	Resolution	Error Limit G	Depth Rod			Friction Wheel
4103400P	\$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"/>
4103401P	\$235	\$199				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103402P	\$235	\$199				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103403P	\$235	\$199				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103404P	\$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"/>
4103405P	\$272	\$230				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103406P	\$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"/>
4103407P	\$408	\$346				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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 Integrated Wireless 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. 4337130P

-15%

REFERENCE



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

All indicators with 8 mm stem diameter

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WINTER SPOTLIGHTS

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

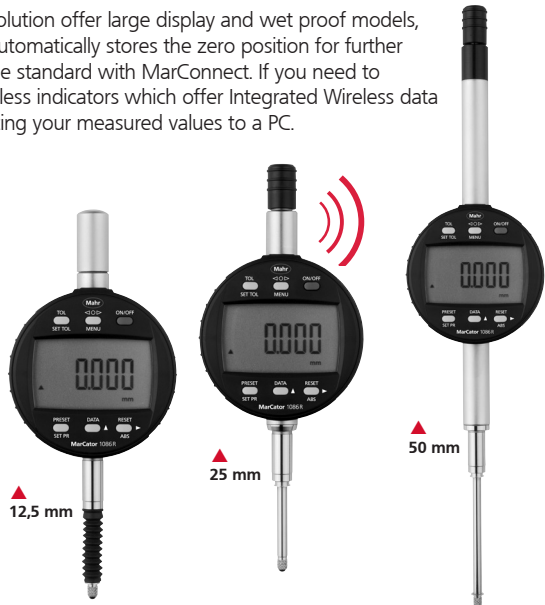
Selectable Resolution

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 Integrated Wireless 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. 4337620P

-15%



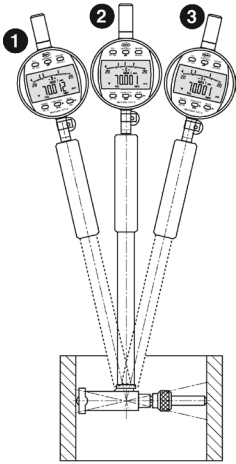
Order No.	Model	List Price	Promo Price	Measuring Span	Resolution	Wireless	Wet Proof
4337620P	1086 R	\$459	\$390	12,5 mm / 0.5 in			
4337621P	1086 R	\$541	\$459	25 mm / 1 in			
4337622P	1086 R	\$907	\$770	50 mm / 2 in			
4337623P	1086 R	\$1,140	\$969	100 mm / 4 in			
4337650P*	1086 ZR	\$459	\$390	12,5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



Bore Gage Version



12,5 mm Dynamic Capability

PROMO PRICE
\$464
LIST PRICE
\$546

ORDER NO. 4337660P

-15%

REFERENCE



Order No.	Model	List Price	Promo Price	Measuring Range	Resolution	Wireless	Bore Gage Version
4337660P	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		
4337661P	1087 R	\$629	\$534	25 mm / 1 in			
4337670P*	1087 ZR	\$546	\$464	12,5 mm / 0.5 in			
4337666P	1087 R	\$999	\$849	50 mm / 2 in			
4337671P*	1087 ZR	\$629	\$534	25 mm / 1 in			
4337663P	1087 Ri	\$593	\$504	12,5 mm / 0.5 in		X	
4337665P	1087 Ri	\$598	\$508	25 mm / 1 in		X	
4337667P	1087 Ri	\$1,075	\$913	50 mm / 2 in		X	
4337662P	1087 BR	\$629	\$534	12,5 mm / 0.5 in			
4337664P	1087 BRi	\$696	\$591		X	X	

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

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. 4102220P

-15%



Order No.	4102220P
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 5.1 Software Interface

MarCom Professional 5.1 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

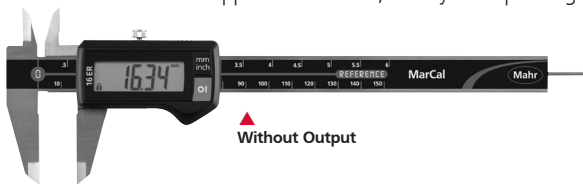


Order No.	4102212
List Price	\$427
Promo Price	FREE
Connected Wireless Receivers for the i-Stick	4
Connectable Devices with Integrated Wireless	32
Connected Wireless Receivers for the e-Stick	1
Connectable Sender Modules for the e-Stick	8
Connected Wireless Receivers FM 2	1
Connectable Sender Modules 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 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

PROMO PRICE	
\$117	
LIST PRICE	
\$130	

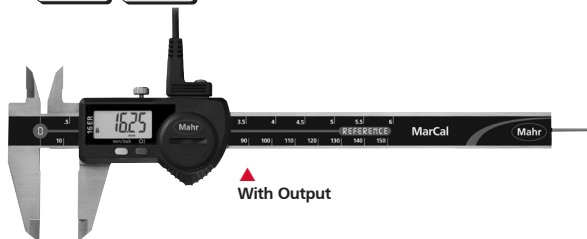
ORDER NO. 4103010P

REFERENCE



DIN
862

-10%

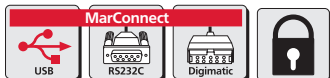


With Output

PROMO PRICE	
\$144	
LIST PRICE	
\$160	

ORDER NO. 4103014P

REFERENCE



-10%

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

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

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Mahr

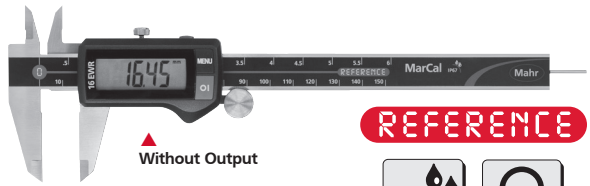
FALL SPOTLIGHTS

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 zero reference system, which automatically stores the zero position for further measurements. Available for next day delivery.

PROMO PRICE
\$155
LIST PRICE
\$185

ORDER NO. 4103301P



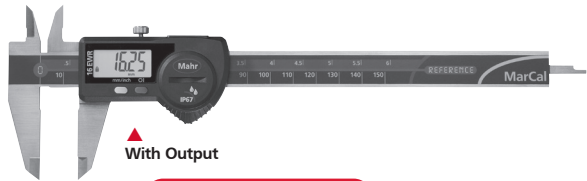
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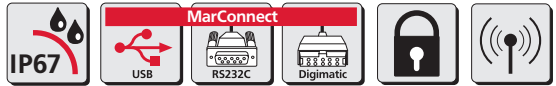
-15%

PROMO PRICE
\$187
LIST PRICE
\$221

ORDER NO. 4103064P



REFERENCE



-15%

Order No.	List Price	Promo Price	Measuring Range	Type	Error Limit G	Depth Rod		Friction Wheel
						⌊	⌋	
4103300P	\$185	\$155	150 mm / 6 in	16 EWR without Output	0,03 mm / 0,001 in	•		
4103302P	\$185	\$155					•	
4103301P	\$185	\$155				•		•
4103303P	\$185	\$155				•		•
4103304P	\$245	\$208	200 mm / 8 in		0,04 mm / 0,0015 in	•		
4103305P	\$245	\$208				•		•
4103306P	\$360	\$306	300 mm / 12 in			•		•
4103307P	\$360	\$306				•		•
4103064P	\$221	\$187	150 mm / 6 in	16 EWR with Output	0,03 mm / 0,001 in	•		
4103066P	\$221	\$187					•	
4103065P	\$221	\$187				•		•
4103067P	\$221	\$187					•	
4103068P	\$256	\$217	200 mm / 8 in		0,04 mm / 0,0015 in	•		
4103069P	\$256	\$217				•		•
4103070P	\$383	\$325	300 mm / 12 in			•		
4103071P	\$383	\$325				•		•

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.



REFERENCE



INTRODUCTORY PRICE

\$199

ORDER NO. 4157010

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 μ m	0,5 mm	5 N - 10 N	Factory Standard

Micromar 40 EWR Digital Micrometer

The NEW Micromar 40 EWR is an IP65 micrometer that 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.



REFERENCE



ABS System

INTRODUCTORY PRICE

\$260

ORDER NO. 4157011

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 μ m	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 μ m			
4157014		\$499	75 mm - 100 mm / 3 in - 4 in					

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WINTER SPOTLIGHTS

Micromar 40 F Micrometer with Dial Comparator

The Micromar 40F is a ideal micrometer for direct reading or can be used as a high resolution comparator for fast qualification of high volume part runs.

PROMO PRICE
\$838
LIST PRICE
\$986

ORDER NO. 4150000P



**DIN
863-3**

-15%

Order No.	List Price	Promo Price	Measuring Range	Reading Comparator	Spindle Thread Pitch
4150000P	\$986	\$838	0 - 25 mm	0,001 mm	0.5 mm
4150001P	\$1,150	\$977	25 mm - 50 mm		
4150900P	\$986	\$838	0 - 1 in	0.00005 in	0.25 in
4150901P	\$1,150	\$977	1 in - 2 in		

Micromar 40 A Micrometer

The Micromar 40 A is the standard for everyday mechanical micrometer applications.

PROMO PRICE
\$69
LIST PRICE
\$81

ORDER NO. 4134000P



**DIN
863-1**

-15%

Order No.	List Price	Promo Price	Measuring Range	Reading Comparator	Spindle Thread Pitch
4134000P	\$81	\$69	0 - 25 mm	0,001 mm	0.5 mm
4134900P	\$81	\$69	0 - 1 in	0.00005 in	0.25 in

MarTest 801 S1 / S / SG / SGI Test Indicators Standard Version

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 is ideal for use in workshop conditions with its sealed dial making it impervious to liquids. With the MarTest series of test indicators there is not just a broad product range but also a wide variety of accessories at your disposal.



PROMO PRICE

\$154

LIST PRICE

\$172

ORDER NO. 4305960P

-10%

Order No.	List Price	Promo Price	Measuring Range	Reading	Dial Diameter	Length of Styli
4305960P	\$172	\$154	± 0.015 in	0.001 in	1.1 in	0.57 in
4305950P	\$185	\$166		0.0005 in		
4307950P	\$205	\$184		± 0.3 mm / ± 0.015 in	0,01 mm / 0.0005 in	
4307970P	\$179	\$161				

MartEST 801 SGM Test Indicators For High Accuracy Measurement



PROMO PRICE

\$211

LIST PRICE

\$235

ORDER NO. 4308970P

-10%

Order No.	List Price	Promo Price	Measuring Range	Reading	Dial Diameter	Length of Styli
4308970P	\$235	\$211	± 0.004 in	0.0001 in	1.5 in	0.57 in

PROMO PRICE
\$204
LIST PRICE
\$227

ORDER NO. 4306950P

-10%



**DIN
2270**

**SHOCK
PROOF**

Order No.	List Price	Promo Price	Measuring Range	Reading	Dial Diameter	Length of Styli
4306950P	\$227	\$204	± 0.010 in	0.0005 in	1.1 in	1.62 in
4306960P	\$258	\$232			1.5 in	

PROMO PRICE
\$206
LIST PRICE
\$229

ORDER NO. 4302950P

-10%



**DIN
2270**

**SHOCK
PROOF**

Order No.	List Price	Promo Price	Measuring Range	Reading	Dial Diameter	Length of Styli
4302950P	\$229	\$206	0.015 in	0.0005 in	1.1 in	0.57 in
4302960P	\$258	\$232	0.004 in	0.0001 in	1.5 in	

ANSI/AGD Group 2 Precision Dial Indicators

Mahr dial indicators have been the standard of the industry for nearly 100 years. We manufacture and control our gears and pinions for maximum performance and accuracy. These AGD Group 2 indicators are some of our most popular and used in a wide range of dimensional gage applications.



DIN
878

PROMO PRICE

\$151

LIST PRICE

\$178

ORDER NO. 2011049P

-15%

Order No.	List Price	Promo Price	Measuring Range	Graduation Value	Dial Style	Range per Revolution
2015781P	\$245	\$208	0.025 in	0.0001 in	0-5-0	0.010 in
2011049P	\$178	\$151	0.250 in	0.001 in	0-50-0	0.100 in
2014699P	\$192	\$163	0.500 in		0-100	
2014698P	\$192	\$163	1.000 in			

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 and employs a very powerful ON/OFF magnet.

PROMO PRICE

\$273

LIST PRICE

\$322

ORDER NO. 4420350P

-15%

Order No.	List Price	Promo Price	Fine Adjustment Range	Total Height	Projection (Max.)	Magnetic Force
4420350P	\$322	\$273	2 mm / 0.078 in	224 mm / 8.818 in	130 mm / 5.118 in	300 N
4420360P	\$361	\$306		316 mm / 12.440 in	200 mm / 7.784 in	800 N
4420370P	\$437	\$371		401 mm / 15.787 in	280 mm / 9.8425 in	
4420380P	\$824	\$700	5 mm / 0.19 in	444 mm / 17.480 in	330 mm / 12.992 in	1000 N

- 0+

Mahr

WINTER SPOTLIGHTS

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.

PROMO PRICE
\$1,258
LIST PRICE
\$1,480

ORDER NO. 5312010P

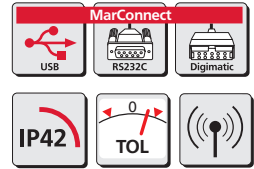
-15%

New Features

- Dynamics
- Asymmetric Tolerances
- Lock out



Order No.		5312010P
List Price		\$1,480
Promo Price		\$1,258
Digital	μm/in	± 5000 / ± 0.194"
Display Range Analog	μm/in	± 5000, ± 2000 / ± 0.19", ± 0.07" ± 1000, ± 300 / ± 0.03", ± 0.01" ± 100, ± 30 / ± 0.003", ± 0.001" ± 10, ± 3 / ± 0.0003", ± 0.0001"
Resolution	μm/inch	10, 1, 0.1 / 100", 10", 5"



Millimar P2004 M Inductive Probe

Robust construction and precise friction less ball bearing, provide high performance.

PROMO PRICE
\$361
LIST PRICE
\$425

ORDER NO. 5323010P

-15%

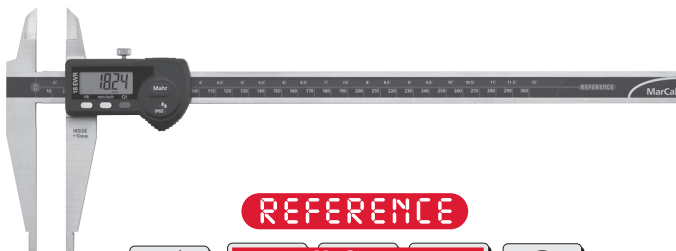
Order No.		5323010P
List Price		\$425
Promo Price		\$361
Product		P2004 M
Measuring Range	mm/in	± 2 / ± 0.078"
Measuring Force	N	0.75
Repeatability f_w	μm	0.1
Hysteresis f_u	μm	0.5



with 8mm diameter

MarCal 18 EWR Digital Micrometer

The heavy duty 18 EWR Digital Micrometer provides extended measuring range for those applications where a standard caliper won't due.



PROMO PRICE
\$640
LIST PRICE
\$718

ORDER NO. 4112704P

REFERENCE



-10%

Order No.	List Price	Promo Price	Measuring Range	Resolution	Details
4112704P	\$718	\$640	300 mm / 12 in	0,01 mm / 0.0005 in	with measuring blades for external dimensions
4112712P	\$1,360	\$1,225	500 mm / 20 in		
4112705P	\$664	\$599	300 mm / 12 in		without measuring blades for external dimensions
4112713P	\$1,230	\$1,100	500 mm / 20 in		

Digimar 814 SR Height Measuring and Scribing Instruments

For fast height measuring or scribing granite plate measuring applications. With it rapid drive and large digital display - direct or comparative readings are fast and simple.



PROMO PRICE
\$842
LIST PRICE
\$936

ORDER NO. 4426100P

REFERENCE



-10%

Order No.	List Price	Promo Price	Measuring Range	Resolution
4426100P	\$936	\$842	0 - 300 mm / 0 - 1 in	0,01 mm / 0.0005 in
4426101P	\$1,360	\$1,224	0 - 600 mm / 0 - 24 in	

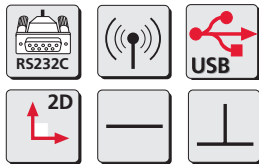
Digimar® 817 CLM Height Measuring Instrument

The Digimar 817 CLM offers a wide range of measurement functions 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

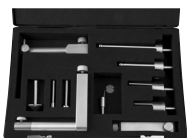
-20%

ORDER NO. 4429010P



▲ Optional accessory for squareness checks

Order No.	4429010P	4429011P	4429012P
List Price	\$8,230	\$8,750	\$15,610
Promo Price	\$6,584	\$7,000	\$12,488
Measuring Range	0 - 50 mm / 0 - 4 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		

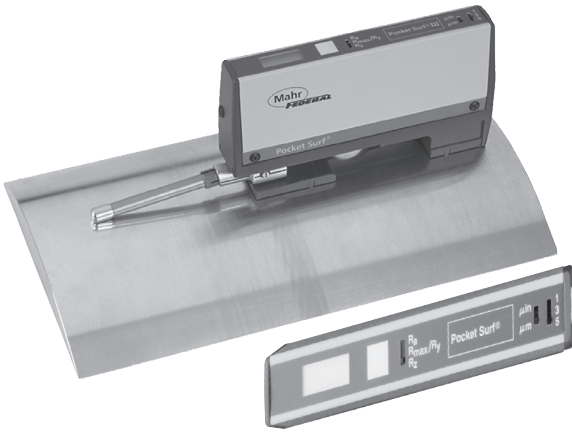


◀ Digimar Probe Accessory Set

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

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.



PROMO PRICE

\$2,125

LIST PRICE

\$2,500

ORDER NO. 2191800P & 2191802P

-15%

Order No.		2191800P	2191802P
List Price		\$2,500	\$2,500
Promo Price		\$2,125	\$2,125
Traverse Length (Nominal)	R_v/R_y	2,0 mm / 0.075 in 3,5 mm / 0.135 in	
	$R_a/R_z/R_{max}$	5,0 mm / 0.195 in	
Evaluation Length	R_v/R_y	0,8 mm / 0.030 in 2,4 mm / 0.090 in	
	$R_a/R_z/R_{max}$	4,0 mm / 0.150 in	
Number of Cutoffs/ Switch Position	R_v/R_y	1 3	
	$R_a/R_z/R_{max}$	5	
Traverse Speed		5,8 mm / 0.2 in per Second	
Cutoff		0,08 mm / 0.030 in ASME 2 RC-Filter	
Probe Type		Piezoelectric	
Maximum Stylus Force		15.0 mN / 1500 mgf	
Power		Consumer Type Alkaline Battery, 9 Volt	
Battery Capacity		Approx. 2,500 Measurements, Depending on Frequency of Use and Output Option	
Operating Temperature		10° to 45°C / 50° to 113° F	
Storage Temperature		-20° to 65°C / -4° to 149°	
Includes		EGH-1019: Probe, 90°, 10 µm Radius, PMD-90101 Certified Specimen, including Test Certificate	EGH-1026: Probe, 90°, 5 µm Radius, PMD-90101 Certified Specimen, including Test Certificate

*A Pocket Surf kit is furnished complete in a fitted case and includes a Pocket Surf unit with a General Purpose Probe** and a 3,2 µm/125 µinch (nominal) Reference Specimen**, 9 Volt battery, riser plate

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. 6910230P & 6910232P

Order No.	6910230P	6910232P
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 Mobile Roughness Measuring Instrument

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

-10%



ORDER NO. 6910235P

Order No.	6910235P
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 increasingly in the production area, there is a need for surface evaluation requiring skidless tracing. This generally requires more skilled operators, more work alignment and more time. However with the MarSurf M 400 it has the necessary functions, and features for the most demanding measurements while being quick and easy to use. Wireless connectivity increase versatility and portability.

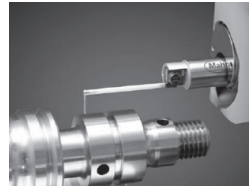


PROMO PRICE
\$9,108
LIST PRICE
\$10,180

ORDER NO. 6910404P & 4910412P

-10%

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



Order No.	6910404P	4910412P
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)	

With the OPTIMAR 25 dial, test and digital indicator calibration is fast and accurate. With its fast setting, long range and high accuracy spindle the checking of indicators becomes an easy task. With a wide range of accessories virtually any indicator can be checked for performance.

PROMO PRICE
\$7,479
LIST PRICE
\$8,310

ORDER NO. 2062722P

-10%



Order No.	List Price	Promo Price	Measuring Range	Resolution	Accuracy
2062722P	\$8,310	\$7,479	25 mm / 1 in	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	±0.2 µm / ±10 µin

LINEAR 100

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
\$13,400
LIST PRICE
\$14,900

ORDER NO. 5357301P

-10%



Order No.	List Price	Promo Price	Measuring Range	Application Range
5357301P	\$14,900	\$13,400	50 mm / 2 in	15 mm - 100 mm / 0.59 in - 4 in

MICROSCOPES



SURFACE MEASUREMENT



HEIGHT MEASUREMENT



CALPERS & MICROMETERS



INDICATORS & COMPARATORS



AIR GAGING



SNAP GAGES



TEST INDICATORS



Willrich Precision
Ph 866-945-5742
sales@willrich.com

Mahr Inc.



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EXACTLY



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