

MAHR® SPOTLIGHTS

sales@willrich.com 9|2017

Willrich Precision Ph 866-945-5742

 <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 September 1st through December 31st 2017

* MARCOM PROFESSIONAL SOFTWARE
INTERFACE FOR CONNECTING
MEASURING INSTRUMENTS BY CABLE OR
WIRELESS - NOW AVAILABLE TO
DOWNLOAD FREE OF CHARGE - See page 13

- 0 +



EXACTLY

SMAHRT METROLOGY



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.

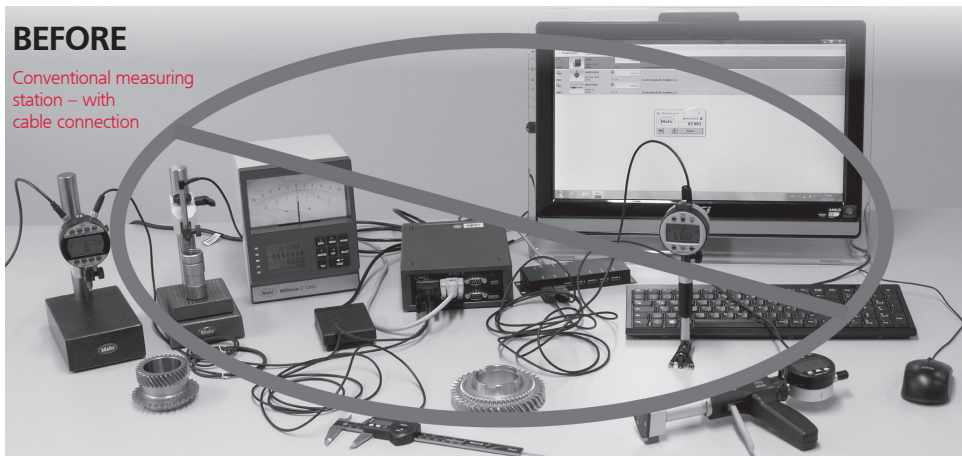
These special measuring instruments:

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



BEFORE

Conventional measuring station – with cable connection



BENEFIT FROM THESE ADVANTAGES:

Data Link	Integrated Wireless	Cable Connection
Range	Max. 6 m	Max. 2 m (without extension cable)
Freedom of Movement and Operation	Fully autonomous measuring without restrictions	Limited freedom of movement, especially at measuring stations with multiple measuring instruments
Wear	No risk of damage or wear	Risk of: - cable breaks, cable kinks - embrittlement from oil, etc.
Interface	1 affordable i-Stick receiver for 8 measuring instruments (maximum 4 i-Sticks per PC) Free MarCom Professional Software interface	One cable is required for each measuring instrument Additional hardware interface must be purchased
Safety	Visual feedback of successful transmission on display of measuring instrument, or error message	No feedback from transmission Unplugged cables or cable breaks are not identified

AFTER

Innovative measuring station – with Integrated Wireless



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.

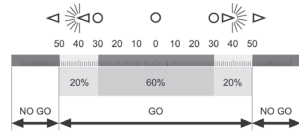


INTRODUCTORY PRICE

\$349

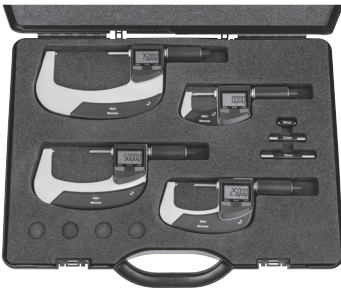
ORDER NO. 4157100

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

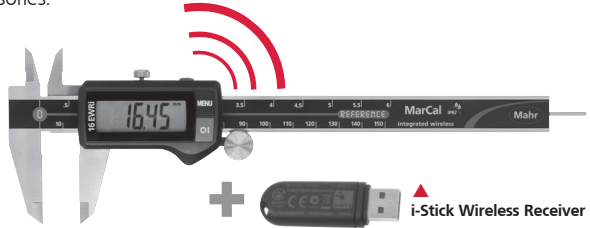


Order No.	Model	List Price	Measuring Range	Resolution	Number of Micrometers	Spindle Thread Pitch	Measuring Force
4157115	40 EWRi	\$1900	0 - 100 mm / 0 - 4 in	0,001 mm / 0.00005 in	4	0,5 mm	5 N - 10 N

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
\$336
LIST PRICE
\$373

ORDER NO. 2121610P



-10%



REFERENCE



Order No.	List Price	Promo Price	Measuring Range	Resolution	Depth Rod		Friction Wheel
2121610P*	\$373	\$336	150 mm / 6 in	0,01 mm / 0,0005 in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2121611P*	\$373	\$336			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* Starter set includes an i-Stick wireless receiver

PROMO PRICE
\$193
LIST PRICE
\$214

ORDER NO. 4103400P

MarCal 16 EWRi Digital Caliper



-10%

REFERENCE

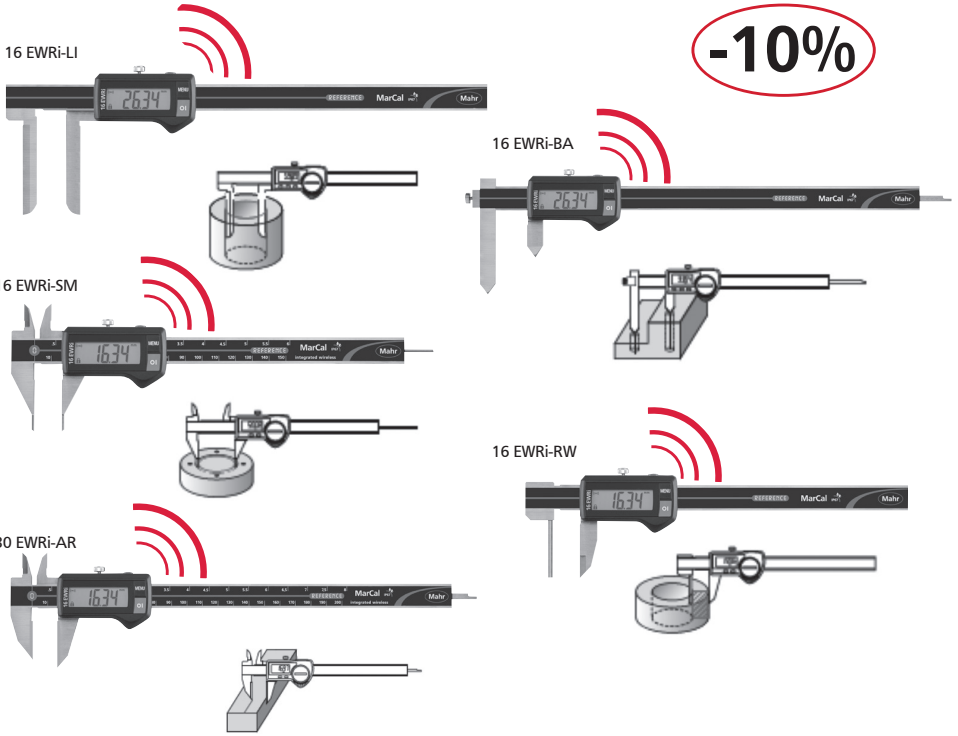


Order No.	List Price	Promo Price	Measuring Range	Resolution	Error Limit G	Depth Rod			Friction Wheel
4103400P	\$214	\$193	150 mm / 6 in	0,01 mm / 0,0005 in	0,03 mm / 0,001 in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103401P	\$214	\$193				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103402P	\$214	\$193				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103403P	\$214	\$193				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103404P	\$248	\$225	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	\$248	\$225				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103406P	\$371	\$335	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	\$371	\$335				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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.



Order No.	Model	List Price	Promo Price	Description	Measuring Range	Resolution
4103372P	16 EWri-C	\$399	\$360	Ceramic Outer Measuring Surfaces	0 - 150 mm / 0 - 6 in	0,01 mm / 0.0005 in
4103373P	16 EWri-H	\$475	\$425	Carbide Outer Measuring Surfaces	0 - 150 mm / 0 - 6 in	
4103382P	16 EWri-AR	\$385	\$346	Scribing Caliper	0 - 200 mm / 0 - 8 in	
4103376P	16 EWri-SM	\$560	\$500	Caliper with Pointed Jaws	0 - 150 mm / 0 - 6 in	
4103384P	16 EWri-BA	\$595	\$535	Caliper with Center Distance Jaws	10 mm - 210 mm / 0.4 in - 8.3 in	
4103381P	16 EWri-RW	\$630	\$565	Caliper for Wall Thickness	0 - 150 mm / 0 - 6 in	
4103385P	16 EWri-LI	\$810	\$730	Caliper with Inner Blades	10 mm - 200 mm / 0.4 in - 8.3 in	

Find out more in our catalog or on our website: www.mahr.com

Need some more information please contact our technical advisers at **1-800-343-2050** and they will be happy to answer any questions you may have.

MARCAL- The New Wireless Caliper Standard

REFERENCE

-10%



16 EWRI-SA



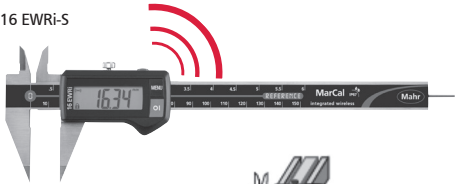
16 EWRI-AI



16 EWRI-NA



16 EWRI-S



16 EWRI-VS



Order No.	Model	List Price	Promo Price	Description	Measuring Range	Resolution
4103377P	16 EWRI-SA	\$749	\$675	Caliper with Inward Pointed Tips	0 - 5.5 in / 0 - 140 mm	0.0005 in / 0,01 mm
4103379P	16 EWRI-AA	\$645	\$580	Caliper with Inward Pointed Anvils	0 - 6 in / 0 - 150 mm	
4103378P	16 EWRI-SI	\$740	\$665	Caliper with Outward Pointed Tips	0.8 in - 6.7 in / 20 mm - 170 mm	
4103380P	16 EWRI-AI	\$705	\$635	Caliper with Outward Pointed Anvils	0.4 in - 6.3 in / 10 mm - 160 mm	
4103374P	16 EWRI-NA	\$725	\$650	Caliper with Narrow Jaws	0 - 6 in / 0 - 150 mm	
4103375P	16 EWRI-S	\$500	\$450	Caliper with Pointed Jaws	0 - 6 in / 0 - 150 mm	
4103383P	16 EWRI-VS	\$625	\$560	Caliper with Offset, Moving Jaws	0 - 8 in / 0 - 200 mm	

Find out more in our catalog or on our website: www.mahr.com

Need some more information please contact our technical advisers at **1-800-343-2050** and they will be happy to answer any questions you may have.

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

\$558

LIST PRICE

\$620

ORDER NO. 4126533P

-10%

Order No.	List Price	Promo Price	Measuring Range	Resolution	Error Limit
4126533P	\$620	\$558	0 - 200 mm / 0 - 8 in	0,01 mm / 0.0005 in	0,03 mm
4126534P	\$775	\$697	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

\$699

LIST PRICE

\$779

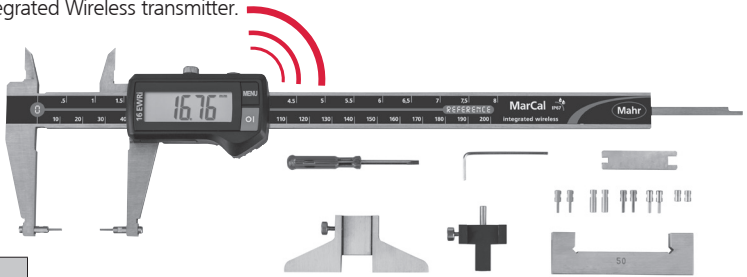
ORDER NO. 4126532P

-10%

Order No.	List Price	Promo Price	Measuring Range	Resolution	Error Limit
4126532P	\$779	\$699	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. 4118807P

-15%

REFERENCE



Order No.	List Price	Promo Price	Measuring Range	Resolution	Depth Rod	Wireless
4118807P	\$585	\$495	0-200 mm / 0-8 in	0,01 mm / 0.0005 in	Rectangular	
4118907P	\$630	\$535				X

MarCal 30 EWRi Digital Depth Gage

The 30 EWRi digital depth gage's rigid design and versatile contact ensures reliable results.



PROMO PRICE

\$511

LIST PRICE

\$602

ORDER NO. 4126755P

-15%

REFERENCE



Order No.	List Price	Promo Price	Measuring Range	Resolution	Error Limit
4126755P	\$602	\$511	0 - 150 mm / 0 - 6 in	0,01 mm / 0.0005 in	0,03 mm
4126754P	\$649	\$551	0 - 1200 mm / 0 - 8 in		
4126756P	\$671	\$570	0 - 1300 mm / 0 - 12 in		
4126757P	\$841	\$715	0 - 1500 mm / 0 - 20 in		

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



FALL SPOTLIGHTS

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

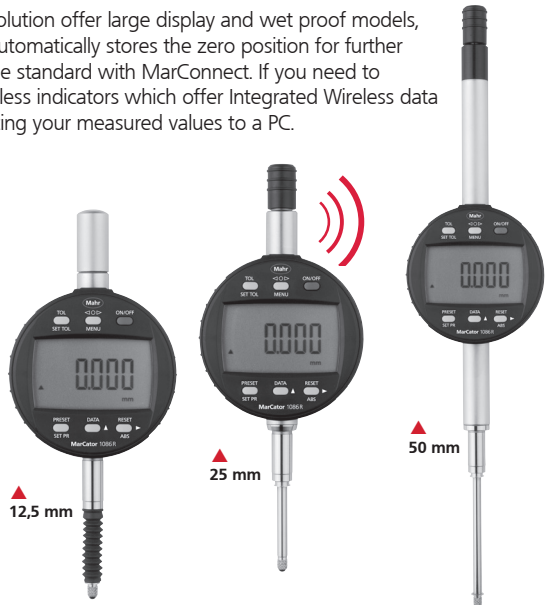
Selectable Resolution

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%



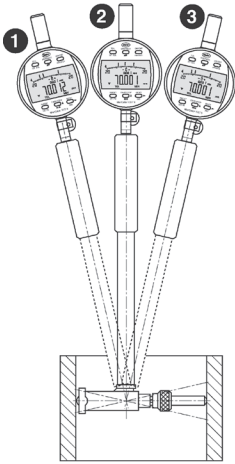
Order No.	Model	List Price	Promo Price	Measuring Span	Resolution	Wireless	Wet Proof
4337620P	1086 R	\$459	\$390	12,5 mm / 0.5 in			
4337621P	1086 R	\$541	\$459	25 mm / 1 in			
4337622P	1086 R	\$907	\$770	50 mm / 2 in			
4337623P	1086 R	\$1,140	\$969	100 mm / 4 in			
4337650P*	1086 R	\$459	\$390	12,5 mm / 0.5 in			
4337651P*	1086 R	\$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			X
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
\$148
LIST PRICE
\$164

ORDER NO. 4102220P

-10%



Order No.	4102220P
List Price	\$164
Promo Price	\$148
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

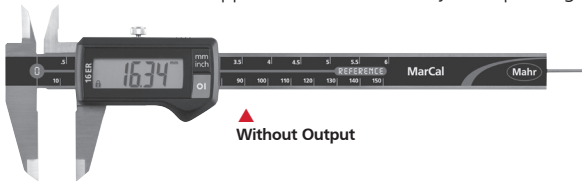


Order No.	4102212
List Price	\$406
Promo Price	FREE
Connected Wireless Receivers for the i-Stick	4
Connectable Devices with Integrated Wireless	32
Connected Wireless Receivers for the e-Stick	1
Connectable Sender Modules for the e-Stick	8
Connected Wireless Receivers FM 2	1
Connectable Sender Modules 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
\$406

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	

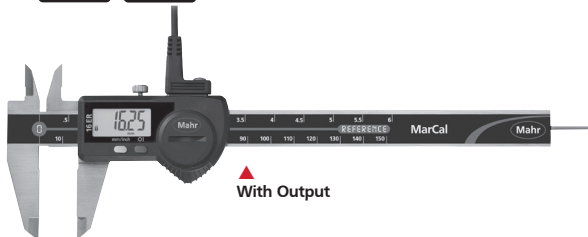
ORDER NO. 4103010P

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 checked="" type="checkbox"/>	<input 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		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 checked="" 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



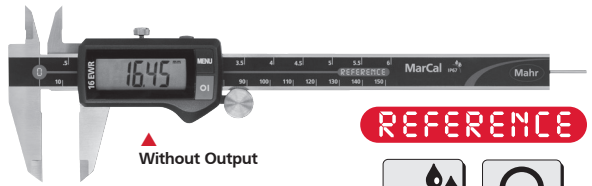
FALL SPOTLIGHTS

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



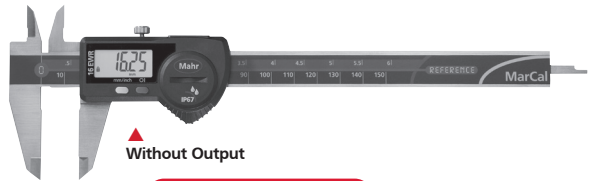
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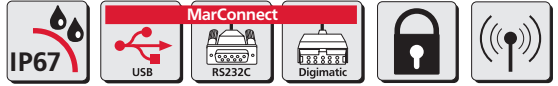
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PROMO PRICE
\$187
LIST PRICE
\$221

ORDER NO. 4103064P



REFERENCE



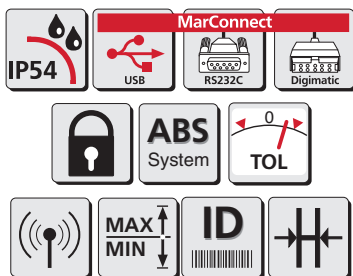
-15%

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4103302P	\$185	\$155				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4103301P	\$185	\$155				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4103303P	\$185	\$155				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4103304P	\$245	\$208	200 mm / 8 in		16 EWR without Output	0,04 mm / 0,0015 in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4103305P	\$245	\$208					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4103306P	\$360	\$306	300 mm / 12 in			16 EWR with Output	0,03 mm / 0,001 in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103307P	\$360	\$306						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103064P	\$221	\$187	150 mm / 6 in	16 EWR with Output			0,03 mm / 0,001 in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103066P	\$221	\$187						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103065P	\$221	\$187						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103067P	\$221	\$187						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103068P	\$256	\$217	200 mm / 8 in		16 EWR with Output		0,04 mm / 0,0015 in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103069P	\$256	\$217						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103070P	\$383	\$325	300 mm / 12 in			16 EWR with Output	0,04 mm / 0,0015 in	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4103071P	\$383	\$325						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

μMaxum® II Digital Comparator

The μMaxum II is a full-featured, economical digital comparator ideal for mechanical gage applications. The μMaxum II is the top choice for bench or portable gage applications because it provides selectable resolution as well as all the features found in a bench amplifier.



PROMO PRICE
\$340
LIST PRICE
\$401

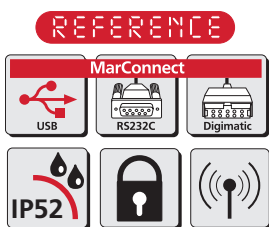
ORDER NO. 2034101P

-15%

Order No.	List Price	Promo Price	Model	Range	Stem Diameter	Stem Length
2034101P	\$401	\$340	Standard	±1,00 mm / ±0.040 in	0.375 in	11,7 mm / 0.46 in
2034103P	\$401	\$340				38,0 mm / 1.50 in
2034201P	\$501	\$425	Advanced			11,7 mm / 0.46 in
2034203P	\$501	\$425				38,0 mm / 1.50 in

Digital Indicator 1075 R

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.



PROMO PRICE
\$170
LIST PRICE
\$201

ORDER NO. 4336010P

-15%

Order No.	List Price	Promo Price	Measuring Range	Resolution
4336010P	\$201	\$170	12,5 mm / 0.5 in	0,01 mm / 0.0005 in
4336020P	\$272	\$230		0,005 mm / 0.0001 in
4336030P	\$331	\$280		0,001 mm / 0.00005 in

In any zero point. All indicators with 8 mm stem diameter.

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 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.



INTRODUCTORY PRICE

\$260

ORDER NO. 4157011

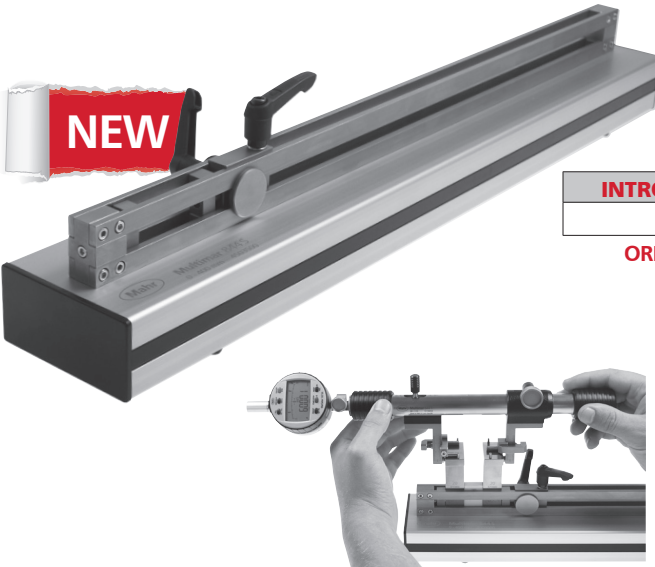
REFERENCE



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					

Multimar® 844 S Setting Device

The Multimar 844 S is a universal adjustable bore and ID/OD setting gage. With a large complement of jaws and ability to be used vertically or horizontally, the 844 S provides an economical way of setting adjustable bore gages without master setting rings.



INTRODUCTORY PRICE

\$955

ORDER NO. 4503500

Order No.	Model	List Price	Application Range for Inside Measurement From
4503500		\$955	0 - 400 mm / 0 - 15.7 in
4503501	844 S	\$1,260	0 - 1150 mm / 0 - 45 in
4503502		\$1,740	0 - 2180 mm / 0 - 86 in

Order No.	Model	List Price	Product Name
4503510	844 Sp	\$955	T-shaped Gage Blocks for Measuring Depth to 40 mm / 1.57 in
4503511	844 Sph	\$210	Riser Block 40 mm / 1.8 in for Extended Measuring Depth
4474080	844 Neb	\$305	Adjustable Bridge for Measuring Range 18 mm - 250 mm / 0.7 in - 9.8 in
4470095	844 em	\$165	Measuring Jaw for Holder 420 H
4503512	844 Sf	\$365	Foot for Vertical Insert including Screws and 2 Clamps
4474082	844 Neb	\$1,280	Adjustable Bridge for Measuring Range 18 mm - 800 mm / 0.7 in - 9.8 in

- 0+



FALL SPOTLIGHTS

Master Discs

Manufactured by Mahr

GUARANTEED TO MEET AGD SPECS OR IT'S FREE!!

FEATURES

- ▶ The metrology laboratory in Providence, RI is ranked as one of the world's finest
- ▶ All measurements are traceable to the standards of the United States
- ▶ Grand Masters/Primary standards used in our measurement center have been certified by NIST
- ▶ Calibration system is certified to ISO 17025
- ▶ Our accreditation body is NVLAP. Lab Code 200605-0



-15%



Order any XX, steel, master ring or disc sized from 6,3 mm -100 mm (0.250 in - 4.0 in) and take 15% off of the current list price. Use the code MAHRMASTER to receive your discount. This offer is valid through the end of this promotion.

The Mahr Inc. Setting Master Guarantee

When you purchase your setting master from Mahr Inc. with certificate of size, Mahr guarantees that your master ring, plug or disc will be delivered to you within the tolerance grade specified. This guarantee assures your master ring, plug or disc will not require recertification at your incoming inspection. Should the master ring, plug or disc be out of specification within 30 days of receipt, and verified by Mahr, the company will repair or replace the master ring, plug or disc and issue full credit for its purchase price.

Guaranteed to meet spec or it's FREE*

* The purchaser may not reject products unless their measurements exceed published tolerances by more than their uncertainty of measurement. In all cases, Mahr Federal Inc. inspection will be the final accepted measurement.

Digimar 816 CL Height Measuring Instrument

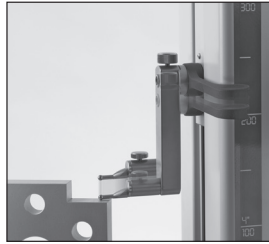
The Digimar 816 CL height gage provides highly accurate measurements without complicated procedures. A robust design and user-friendly operation are combined with advanced features and functionality to improve dimensional measurement on the shop floor or in the lab.



PROMO PRICE
\$5,150
LIST PRICE
\$5,730

-10%

ORDER NO. 4429030P



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



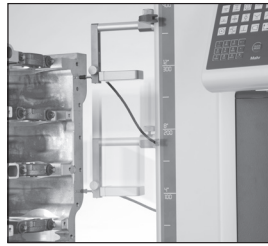
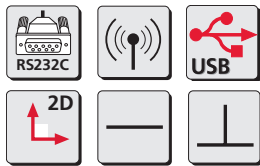
Order No.	4429030P	4429031P
List Price	\$5,730	\$6,160
Promo Price	\$5,150	\$5,545
Measuring Range	0 - 350 mm / 0 - 14 in	0 - 600 mm / 0 - 24 in
Range of Application From...To	540 mm / 21.26 in	770 mm / 30.31 in
Resolution	0,01 mm, 0,001 mm / 0.0001 in, 0.00005 in	
Error Limit	(2,8 + L/300) L in mm	
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	

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
\$6,448
LIST PRICE
\$8,060

-20%

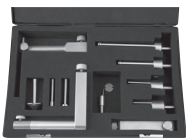
ORDER NO. 4429010P



▲ **Optional accessory for squareness checks**



Order No.	4429010P	4429011P	4429012P
List Price	\$8,060	\$8,570	\$15,300
Promo Price	\$6,448	\$6,850	\$12,240
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	\$1,140	\$1,650
Promo Price	\$912	\$1,320
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

\$2,140

LIST PRICE

\$2,380

ORDER NO. 2191800P

-10%

Order No.		2191800P	2191802P
List Price		\$2,380	\$2,380
Promo Price		\$2,140	\$2,140
Traverse Length (Nominal)	R_v/R_y	2,0 mm / 0.075 in 3,5 mm / 0.135 in	
	$R_v/R_z/R_{max}$	5,0 mm / 0.195 in	
Evaluation Length	R_v/R_y	0,8 mm / 0.030 in 2,4 mm / 0.090 in	
	$R_v/R_z/R_{max}$	4,0 mm / 0.150 in	
Number of Cutoffs/ Switch Position	R_v/R_y	1 3	
	$R_v/R_z/R_{max}$	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

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FALL SPOTLIGHTS

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.

LIST PRICE
\$2,660

ORDER NO. 6910230 & 6910232



▲ With removable drive, touch display and intuitive operation, the PS 10 is versatile and easy to use.

Order No.	6910230	6910232
Introductory Price	\$2,660	
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

LIST PRICE
\$3,500

ORDER NO. 6910235



▲ With traverse drive

Order No.	6910235
Introductory Price	\$3,500
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

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