Mahr® | Precision Measurement and Solutions

Mahrlights

April 1 - June 30
2020

Best Performance
in Every Step

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

Economical

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

Unclutter

Keep your workplace clear of restrictive data cables.

ID Transmission

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

Reliable

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

Full Freedom of Movement

Mahr measuring devices allow exact measuring - even in the machine or on hard-to-reach workpieces.
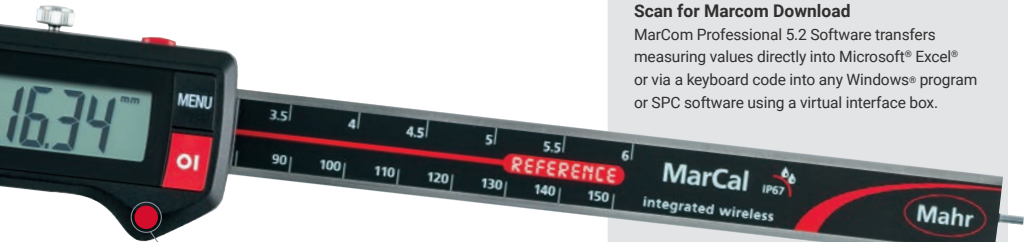
6 Meter (20 ft.) Transmission Range

8 Measuring Devices per i-Stick Receiver

70 Products for Every Measuring Task

Integrated Transmitter

Eliminate hazards such as cable breakage and wear.

Scan for Marcom Download

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

Free Software

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

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.

$284

Order No. 2121610

i-Stick Wireless Receiver

Order No.	List Price	Promo Price	Measuring Range	Resolution	Depth Rod		Friction Wheel
2121610*	$355	**$284**	150 mm / 6 in	0,01 mm / 0.0005 in	▣		▣
2121611*	$355	**$284**	150 mm / 6 in	0,01 mm / 0.0005 in		▣	▣

* Starter set includes an i-Stick wireless receiver

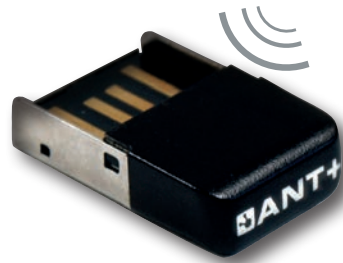## MarCal 16 EWRi | Digital Caliper

$210

Order No. 4103400

Order No.	List Price	Promo Price	Measuring Range	Resolution	Depth Rod		Friction Wheel
4103400	$246	**$210**	150 mm / 6 in	0,01 mm / 0.001 in	▣		
4103401	$246	**$210**	150 mm / 6 in	0,01 mm / 0.001 in	▣		▣
4103402	$246	**$210**	150 mm / 6 in	0,01 mm / 0.001 in		▣	
4103403	$246	**$210**	150 mm / 6 in	0,01 mm / 0.001 in		▣	▣
4103404	$284	**$242**	200 mm / 8 in	0,01 mm / 0.001 in		▣	
4103405	$284	**$242**	200 mm / 8 in	0,01 mm / 0.001 in		▣	▣
4103406	$399	**$340**	300 mm / 12 in	0,01 mm / 0.001 in			
4103407	$399	**$340**	300 mm / 12 in	0,01 mm / 0.001 in			▣

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.

$99

Order No. 4102220

Order No.	4102220
List Price	$129
Promo Price	$99
Includes	USB Wireless Receiver for Mahr Measuring Instruments
Channels	3
Connectable Devices with Integrated Wireless	8 per i-Stick
Radio Frequency	2400 MHz
Wireless Range	Up to 6 m / 19.6 ft
For Measuring Instruments	MarCal 16 EWRi / 30 EWRi; Micromar 40 EWRi / 40 EWRi-L; MarCator 1086 Ri / 1087 Ri / 1087 BRi

MarCal 30 EWRi | Digital Depth Gage

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

$293

Order No. 4126751

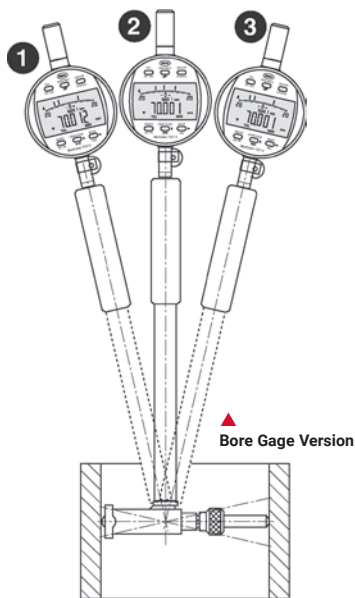| Order No.	List Price	Promo Price	Measuring Range	Resolution	Depth Rod
4126751	$344	$293	0 - 25 mm / 0 - 1 in	0,01 mm / 0.0005 in	Round

MarCator 1086 R/1086 Ri | Digital Indicators

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

NEW HR

$736
Order No. 4337622

12 mm

50 mm

25 mm

$544
Order No. 4337697

$510
Order No. 4337625

HR

Order No.	Model	List Price	Promo Price	Measuring Span	Resolution	Wireless
4337620	1086 R	$425	$362	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	$515	$438	25 mm / 1 in		
4337622	1086 R	$865	$736	50 mm / 2 in		
4337623	1086 R	$1,060	$901	100 mm / 4 in		
4337650*	1086 ZR	$425	$362	12,5 mm / 0.5 in		
4337651*	1086 ZR	$515	$438	25 mm / 1 in		
4337624	1086 Ri	$485	$413	12,5 mm / 0.5 in		X
4337625	1086 Ri	$575	$510	25 mm / 1 in		X
4337626	1086 Ri	$925	$786	50 mm / 2 in		X
4337627	1086 Ri	$1,120	$952	100 mm / 4 in		X
4337628**	1086 Ri	$525	$447	25 mm / 1 in		X
4337697	1086 R HR	$640	$544	12,5 mm / 0.5 in	0,0001 mm, 0,0005 mm, 0,001 mm, 0,002 mm, 0,005 mm, 0,01 mm / 0.00001 in, 0.00002 in, 0.00005 in, 0.0001in, 0.0002 in, 0.0005 in	
4337698	1086 R HR	$700	$595	25 mm / 1 in		

*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

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
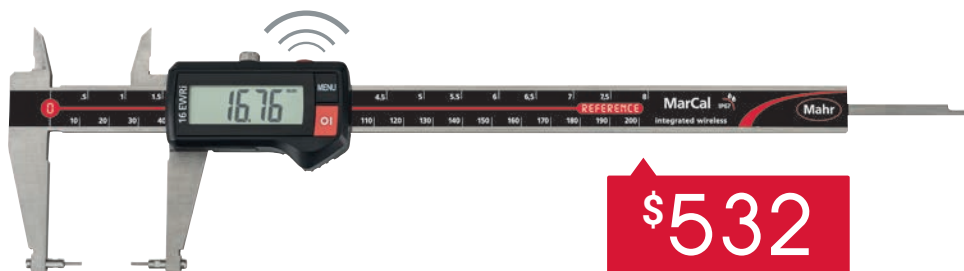
$497

Order No. 4337663

▲ 12,5 mm
Dynamic Capability

Order No.	Model	List Price	Promo Price	Measuring Range	Resolution	Wireless	Bore Gage Version
4337660	1087 R	$525	$447	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	$610	$519	25 mm / 1 in			
4337670*	1087 ZR	$525	$447	12,5 mm / 0.5 in			
	1087 R	$965	$820	50 mm / 2 in			
4337671*	1087 ZR	$610	$519	25 mm / 1 in			
4337663	1087 Ri	$585	$497	12,5 mm / 0.5 in		X	
4337665	1087 Ri	$650	$553	25 mm / 1 in		X	
4337667	1087 Ri	$1,030	$875	50 mm / 2 in		X	
4337662	1087 BR	$605	$515	12,5 mm / 0.5 in			X
4337664	1087 BRi	$650	$553	12,5 mm / 0.5 in		X	X
4337695	1087 R-HR	$790	$672	12,5 mm / 0.5 in	0,0001 mm, 0,0005 mm, 0,001 mm, 0,002 mm, 0,005 mm, 0,01 mm / 0.00001 in, 0.00002 in, 0.00005 in, 0.0001 in, 0.0002 in, 0.0005 in		
4337696	1087 R-HR	$853	$726	25 mm / 1 in			

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

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 interchangable contacts to meet virtually any measurement application. The 16 EWRi-V incorporates the Integrated Wireless transmitter.

$532

Order No. 4118807

Order No.	List Price	Promo Price	Measuring Range	Resolution	Depth Rod	Wireless
4118807	$625	$**532**	0 - 200 mm / 0 - 8 in	0,01 mm / 0.0005 in	Rectangular	
4118907	$705	$**599**	0 - 200 mm / 0 - 8 in	0,01 mm / 0.0005 in	Rectangular	X

MarCator 1075 R | Digital Indicator

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

$170

Order No. 4336010

Order No.	List Price	Promo Price	Measuring Range	Resolution
4336010	$199	$**170**	12,5 mm / 0.5 in	0,01 mm / 0.0005 in
4336020	$249	$**212**	12,5 mm / 0.5 in	0,005 mm / 0.0001 in
4336030	$344	$**293**	12,5 mm / 0.5 in	0,001 mm / 0.00005 in

MarCal 16 ER | Digital Caliper

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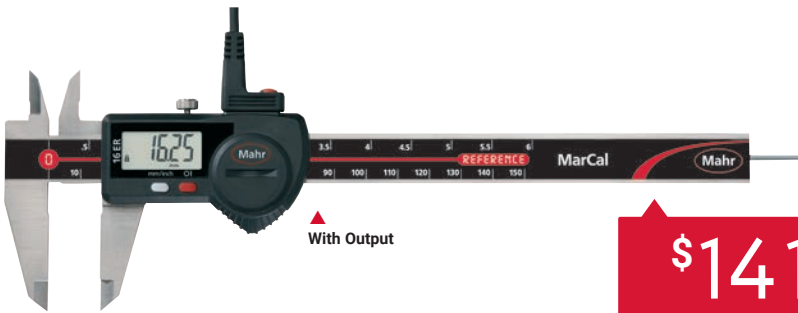

Without Output

$**111**

Order No. 4103010
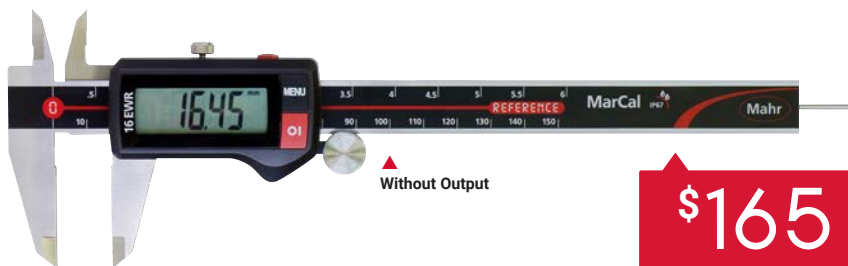

With Output

$**141**

Order No. 4103014

Order No.	List Price	Promo Price	Measuring Range	Type	Error Limit *G*	Depth Rod		Friction Wheel
4103010	$130	$**111**	150 mm / 6 in	Without Output	0,03 mm / 0.001 in	⊤		
4103011	$130	$**111**	150 mm / 6 in	Without Output	0,03 mm / 0.001 in	⊤		◿
4103012	$130	$**111**	150 mm / 6 in	Without Output	0,03 mm / 0.001 in		⊤	
4103013	$130	$**111**	150 mm / 6 in	Without Output	0,03 mm / 0.001 in		⊤	◿
4103014	$165	$**141**	150 mm / 6 in	With Output	0,03 mm / 0.001 in	⊤		
4103015	$165	$**141**	150 mm / 6 in	With Output	0,03 mm / 0.001 in	⊤		◿
4103018	$227	$**193**	200 mm / 8 in	With Output	0,03 mm / 0.001 in		⊤	
4103020	$299	$**255**	300 mm / 12 in	With Output	0,04 mm / 0.0015 in			
4103016	$165	$**141**	150 mm / 6 in	With Output	0,03 mm / 0.001 in		⊤	
4103017	$165	$**141**	150 mm / 6 in	With Output	0,03 mm / 0.001 in		⊤	◿
4103019	$227	$**193**	200 mm / 8 in	With Output	0,03 mm / 0.001 in		⊤	◿
4103021	$299	$**255**	300 mm / 12 in	With Output	0,04 mm/ 0.0015 in			◿

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

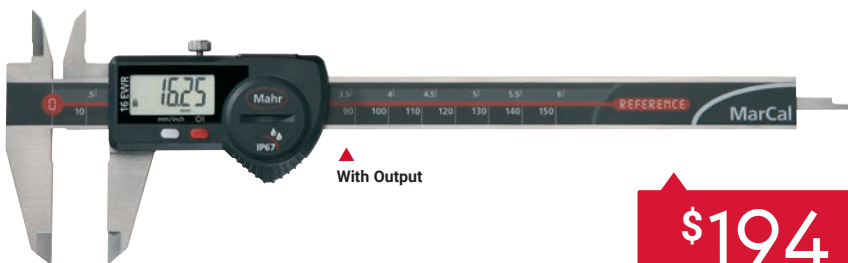# MarCal 16 EWR | Digital Caliper with IP67 Rating

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

Without Output

$165

Order No. 4103300

With Output

$194

Order No. 4103066

Order No.	List Price	Promo Price	Measuring Range	Type	Error Limit *G*	Depth Rod		Friction Wheel
4103300	$193	$165	150 mm / 6 in	Without Output	0,03 mm / 0.001 in	⊓		
4103302	$193	$165	150 mm / 6 in	Without Output	0,03 mm / 0.001 in		⊓	
4103301	$193	$165	150 mm / 6 in	Without Output	0,03 mm / 0.001 in	⊓		⊿
4103303	$193	$165	150 mm / 6 in	Without Output	0,03 mm / 0.001 in		⊓	⊿
4103064	$228	$194	150 mm / 6 in	With Output	0,03 mm / 0.001 in	⊓		
4103066	$228	$194	150 mm / 6 in	With Output	0,03 mm / 0.001 in		⊓	
4103065	$228	$194	150 mm / 6 in	With Output	0,03 mm / 0.001 in	⊓		⊿
4103067	$228	$194	150 mm / 6 in	With Output	0,03 mm / 0.001 in		⊓	⊿
4103068	$264	$225	200 mm / 8 in	With Output	0,03 mm / 0.001 in		⊓	
4103069	$264	$225	200 mm / 8 in	With Output	0,03 mm / 0.001 in		⊓	⊿
4103070	$380	$323	300 mm / 12 in	With Output	0,04 mm / 0.0015 in			
4103071	$380	$323	300 mm / 12 in	With Output	0,04 mm / 0.0015 in			⊿

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

Micromar 40 ER I Digital Micrometer

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

$188

Order No. 4157010

Order No.	Model	List Price	Promo Price	Measuring Range	Resolution	Spindle Thread Pitch	Measuring Force
4157010	40 ER	$208	**$188**	0 - 25 mm / 0 - 1 in	0,001 mm / 0.00005 in	0,5 mm	5 N - 10 N

Micromar 40 EWR I Digital Micrometer

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

$244

Order No. 4157011

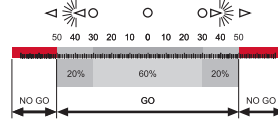| Order No.	Model	List Price	Promo Price	Measuring Range	Resolution	Spindle Thread Pitch	Measuring Force
4157011	40 EWR	$271	**$244**	0 - 25 mm / 0 - 1 in	0,001 mm / 0.00005 in	0,5 mm	5 N - 10 N
4157012	40 EWR	$375	**$338**	25 mm - 50 mm / 1 in - 2 in	0,001 mm / 0.00005 in	0,5 mm	5 N - 10 N
4157013	40 EWR	$464	**$418**	50 mm - 75 mm / 2 in - 3 in	0,001 mm / 0.00005 in	0,5 mm	5 N - 10 N
4157014	40 EWR	$520	**$468**	75 mm - 100 mm / 3 in - 4 in	0,001 mm / 0.00005 in	0,5 mm	5 N - 10 N

Micromar 40 EWRi | Digital Micrometer

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

$328

Order No. 4157100

Integrated Tolerance Markers

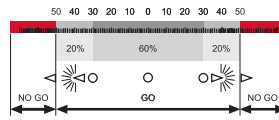| Order No.	Model	List Price	Promo Price	Measuring Range	Resolution	Spindle Thread Pitch	Measuring Force
4157100	40 EWRi	$364	$328	0 - 25 mm / 0 - 1 in		0,5 mm	5 N - 10 N
4157101	40 EWRi	$437	$394	25 mm - 50 mm / 1 in - 2 in		0,5 mm	5 N - 10 N
4157102	40 EWRi	$572	$515	50 mm - 75 mm / 2 in - 3 in		0,5 mm	5 N - 10 N
4157103	40 EWRi	$624	$562	75 mm - 100 mm / 3 in - 4 in	0,001 mm / 0.00005 in	0,5 mm	5 N - 10 N
4157104	40 EWRi	$823	$741	100 mm - 125 mm / 4 in - 5 in		0,5 mm	5 N - 10 N
4157105	40 EWRi	$849	$765	125 mm - 150 mm / 5 in - 6 in		0,5 mm	5 N - 10 N
4157106	40 EWRi	$875	$788	150 mm - 175 mm / 6 in - 7 in		0,5 mm	5 N - 10 N
4157107	40 EWRi	$899	$810	175 mm - 200 mm / 7 in - 8 in		0,5 mm	5 N - 10 N

Micromar 40 EWRi-L | Digital Micrometer with Sliding Spindle

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

$405

Order No. 4157120

Integrated Tolerance Markers

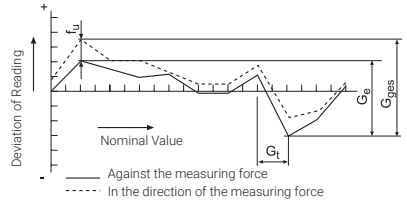| Order No.	Model	List Price	Promo Price	Measuring Range	Resolution	Spindle Thread Pitch	Measuring Force
4157120	40 EWRi-L	$450	$405	0 - 25 mm / 0 - 1 in	0,001 mm / 0.00005 in	0,5 mm	5 N - 10 N
4157121	40 EWRi-L	$515	$464	25 mm - 50 mm / 1 in - 2 in	0,001 mm / 0.00005 in	0,5 mm	5 N - 10 N
4157122	40 EWRi-L	$635	$572	50 mm - 75 mm / 2 in - 3 in	0,001 mm / 0.00005 in	0,5 mm	5 N - 10 N
4157123	40 EWRi-L	$690	$621	75 mm - 100 mm / 3 in - 4 in	0,001 mm / 0.00005 in	0,5 mm	5 N - 10 N

Millimess® | Dial Comparators

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

▲ **1003 Z**

$230
Order No. 4334900

Order No.	Model	List Price	Promo Price	Measuring Range	Readings	Overtravel	Measuring Force
4335900	1002 Z	$593	**$505**	± 0.0010 in	0.00002 in	0.11 in	1 N
4335905*	1002 Z	$652	**$555**	± 0.0010 in	0.00002 in	0.11 in	1 N
4334900	1003 Z	$270	**$230**	± 0.0020 in	0.00005 in	0.11 in	1 N
4334905*	1003 Z	$386	**$329**	± 0.0020 in	0.00005 in	0.11 in	1 N
4333900	1004 Z	$261	**$222**	± 0.0050 in	0.0001 in	0.10 in	1 N
4333905*	1004 Z	$386	**$329**	± 0.0050 in	0.0001 in	0.10 in	1 N
4332900	1010 Z	$252	**$215**	± 0.0100 in	0.0005 in	0.10 in	1 N
4332905*	1010 Z	$292	**$249**	± 0.0100 in	0.0005 in	0.10 in	1 N

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

MarStand 815 MG | Indicator Stand with Magnetic Base

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

$201
Order No. 4420350

Order No.	List Price	Promo Price	Fine Adjustment Range	Total Height	Projection (Max.)	Magnetic Force
4420350	$236	**$201**	2 mm / 0.078 in	224 mm / 8.818 in	130 mm / 5.118 in	300 N
4420360	$264	**$225**	2 mm / 0.078 in	316 mm / 12.440 in	200 mm / 7.784 in	800 N
4420370	$320	**$272**	2 mm / 0.078 in	401 mm / 15.787 in	280 mm / 9.8425 in	800 N
4420380	$601	**$511**	5 mm / 0.19 in	444 mm / 17.480 in	330 mm / 12.992 in	1000 N

Note: Indicator not included

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

$124

Order No. 4306950

▲
801 SL

$108

Order No. 4305950

▲
801 S1/S/SG/SGi

$135

Order No. 4308970

▲
801 SGM

$124

Order No. 4302950

▲
801 V

Order No.	Model	List Price	Promo Price	Measuring Range	Reading	Dial Diameter	Length of Styli
4305960	801 S1	$123	$99	±0.015 in	0.0001 in	1.1 in	0.57 in
4305950	801 S	$135	$108	±0.015 in	0.0005 in	1.1 in	0.57 in
4307950	801 SG	$148	$119	±0.015 in	0,01 mm / 0.0005 in	1.5 in	0.57 in
4307970	801 SGI	$129	$104	±0,3 mm / 0.015 in	0.0001 in	1.5 in	0.57 in
4308970	801 SGM	$168	$135	± 0.004 in	0.0001 in	1.5 in	0.57 in
4306950	801 SL	$155	$124	±0.0005 in	0.0005 in	1.1 in	1.62 in
4306960	801 SGL	$174	$140	±0.0005 in	0.0005 in	1.5 in	1.62 in
4302950	801 V	$154	$124	±0.015 in	0.0005 in	1.0 in	0.57 in
4302960	801 VGM	$175	$140	±0.004 in	0.0001 in	1.5 in	0.57 in

DIN 2270 | SHOCK PROOF

Micromar 844 A | Self-Centering Measuring Pistol

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.

$2,933
Order No. 4487762

▲
Self Centering Bore Gage Kit

Order No.	Model	List Price	Promo Price	Measuring Range	Number of Measuring Heads	Ring Gages
4487760	1086 R	$2,730	$2,321	6 mm - 12 mm / 0.25 in - 0.4725 in	3	8 / 10
4487761	1086 R	$2,580	$2,193	12 mm - 20 mm / 0.4725 in - 0.775 in	2	16
4487762	1086 R	$3,450	$2,933	20 mm - 50 mm / 0.775 in - 0.2 in	4	25 / 40
4487763	1086 R	$4,460	$3,791	50 mm - 100 mm / 2 in - 4 in	4	25 / 40

Note: Indicator is not taken into consideration, over the full length of the anvils.
With the extension 44 Av. Includes 1086 Indicator.

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 are used in a wide range of dimensional gage appliations.

$162

Order No. 2011049

$176

Order No. 2014698

AGD

Order No.	List Price	Promo Price	Measuring Range	Graduation Value	Dial Style	Range per Revolution
2015781	$279	$224	0.025 in	0.0001 in	0 - 5 - 0	0.010 in
2011049	$202	$162	0.250 in	0.001 in	0 - 50 - 0	0.100 in
2014699	$219	$176	0.500 in	0.001 in	0 - 100	0.100 in
2014698	$219	$176	1.000 in	0.001 in	0 - 100	0.100 in

Millimar® C 1200 | Compact Amplifier

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

$1,318

Order No. 5312010

Order No.	5312010
List Price	$1,550
Promo Price	$1,318
Digital	± 5000 mm / ± 0.194 in
Display Range Analog	± 5000 mm, ± 2000 mm / ± 0.19 in, ± 0.07 in ± 1000 mm, ± 300 mm / ± 0.03 in, ± 0.01 in ± 100 mm, ± 30 mm / ± 0.003 in, ± 0.001 in ± 10 mm, ± 3 mm / ± 0.0003 in, ± 0.0001 in
Resolution	10 µmm, 1 µmm, 0,1 µmm / 100 µin, 10 µin, 5 µin

Millimar P2004 M | Inductive Probe

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

Order No.	5323010
List Price	$443
Promo Price	$377
Product	P2004 M
Measuring Range	± 2 mm / ± 0.078 in

$377

Order No. 5323010

◄ with 8 mm Diameter

MarStand 818 | Radial Run-Out Gage with Center Supports

The MarStand 818 is ideal for quick and accurate concentricity runout checks.

$845

Order No. 4622200

Indicator Not Included

Order No.	List Price	Promo Price	Distance Between Centers	Height of Centers	T-groove Width	Mounting Hole
4622200	$993	**$845**	0 – 200 mm	50 mm	10H7	8H7
4622201	$1,270	**$1,080**	0 – 350 mmm	75 mm	10H7	8H7
4622202	$3,200	**$2,720**	0 – 450 mm	100 mm	12H7	8H7
4622203	$3,560	**$3,026**	0 – 450 mm	150 mm	12H7	8H7

MarStand 820 NG / 820 FG | Small Comparator Stand

The MarStand 820 has a table plate made of lapped black granite and a rugged ground stainless steel column.

$438

Order No. 4430100

Order No.	Model	List Price	Promo Price	Working Range a	Fine Adjustment	Mounting Hole
4430100	820 NG	$515	**$438**	0 – 130 mm / 0 - 5.1 in		8H7
4430110	820 NG	$515	**$438**	0 – 130 mm / 0 - 5.1 in		3/8 in
4431100	820 FG	$842	**$716**	0 – 130 mm / 0 - 5.1 in	*	8H7
4431110	820 FG	$842	**$716**	0 – 130 mm / 0 - 5.1 in	*	3/8 in

Indicator Not Included

Digimar® 814 SR | Height Measuring and Scribing Instruments

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

$617

Order No. 4426100

▲
Quick Drive Allows Fast Positioning

Order No.	List Price	Promo Price	Measuring Range	Resolution
4426100	$725	**$617**	0 - 350 mm / 0 - 14 in	0,01 mm / 0.0005 in
4426101	$1,100	**$935**	0 - 350 mm / 0 - 14 in	0,01 mm / 0.0005 in

Digimar 817 CLM | Height Measuring Instrument

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

$7,285

Order No. 4429010

▲
Optional Accessory for Squareness Checks

Order No.	4429010	4429011	4429012
List Price	$8,570	$9,120	$16,250
Promo Price	**$7,285**	**$7,752**	**$13,813**
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

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.

$10,240

Order No. 5357301

Order No.	5357301
List Price	$12,800
Promo Price	**$10,240**
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)

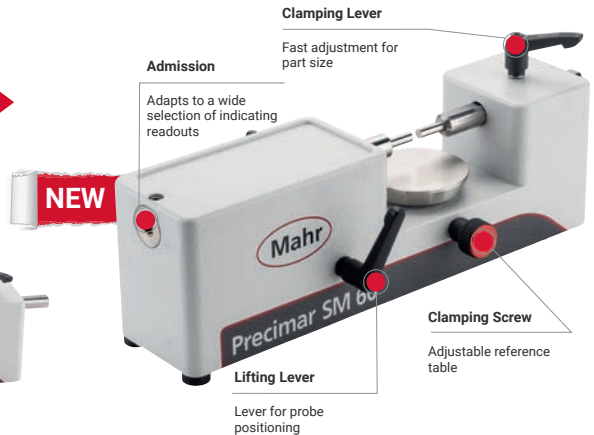## Precimar SM 60 | Small Length Measurement System

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

$2,264

Order No. 5357360

NEW

Clamping Lever
Fast adjustment for part size

Admission
Adapts to a wide selection of indicating readouts

Clamping Screw
Adjustable reference table

Lifting Lever
Lever for probe positioning

▲
Shown with optional 1086 R indicator

Order No.	Model	List Price	Promo Price	Measuring Range	Capacity	Details
5357360	SM 60	$2,830	**$2,264**	0-25 mm / 0 - 1 in	0 - 60 mm / 0 - 2.36 in	6.5 mm Diameter Hardened Anvils
4337698	1086 R-HR	$700	**$595**	0-25 mm / 0 - 1 in	0,0001 mm, 0,0005 mm, 0,001 mm, 0,002 mm, 0,005 mm, 0,01 mm / 0.000001 in, 0.00002 in, 0.00005 in, 0.0001 in, 0.0002 in, 0.0005 in	6.5 mm Diameter Hardened Anvils
4337696	1087 R-HR	$853	**$726**	0-25 mm / 0 - 1 in		6.5 mm Diameter Hardened Anvils

MarSurf® PS 10 | Roughness Measuring Unit

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

$2,336

Order No. 6910230

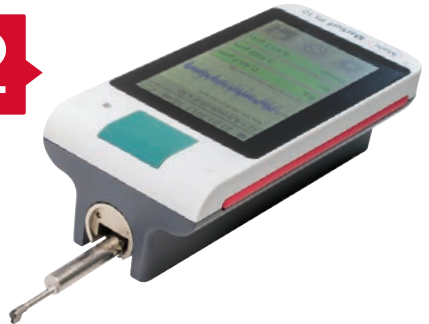| Order No.	6910230	6910232
List Price	$2,920	
Promo Price	**$2,336**	
Measuring Principle	Skid Probe System	
Number of Parameters	31 (DIN/ISO, JIS, ASME, MOTIF)	
Measuring Range	350 µm / 0.014 µin	
Profile Resolution	8 µm / 3 µin	
Internal Memory	3,900 Profiles, 1500 PDF Files, 500,000 Results, Memory can be Extended with Micro SD-Card up to 32 GB	
Description	PS 10 Kit with 2 µm Probe Tip	PS 10 Kit with 5 µm Probe Tip

MarSurf PS 10 C2 | with Traverse Drive

▲
Traverse Drive for Shaft Measurments

$3,072

Order No. 6910235

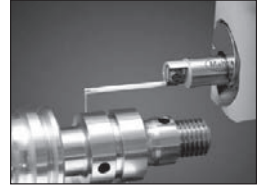| Order No.	6910235
List Price	$3,840
Promo Price	**$3,072**
Stylus	2 µm
Traverse Length Lt According to ISO/JIS	1,5 mm, 4,8 mm, N x Lc, Variable, Automatic
Traverse Length According to 12085 (MOTIF)	1 mm, 2 mm, 4 mm
Evaluation Length According to ISO/JIS	1,25 mm, 4,0 mm

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.

$8,480

Order No. 6910404

▲
High Performance Skidless Measurement

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

$8,480

Order No. 6910412

Order No.	6910404	6910412
List Price	$10,600	$10,600
Promo Price	$8,480	$8,480
Product	M 400	M 400 C
Measuring Principle	Stylus Method	
Probe	BFW Skidless System	
Measuring Range	± 250 µm (up to ± 750 µm with 3x probe arm length)	
Profile Resolution	Measuring range ± 250 µm: 8 nm Measuring range ± 25 µm: 0,8 nm	
Filter According to ISO/JIS	Gaussian filter as per ISO 11562 Filter as per ISO 13565	
Number n of Sampling Length According to ISO/JIS	1 - 5	
Contacting Speeds	0,2 mm/s; 1,0 mm/s	
Measuring Force (N)	5 mN	
Weight Drive Unit	Approximately 0,9 kg	
Weight Measuring Instrument	Approximately 1,0 kg	
Surface Parameters	Over 50 surface parameters for R, P and W profiles according to current ISO/JIS or MOTIF standards (ISO 12085)	
System Integration	Wireless	Wired

Universal Software
for Complex
Measuring Tasks

The Millimar Cockpit software is an intelligent versatile interface tool which not only offers preset standard formula for all of the most common measuring tasks, it also allows you to undertake those complex and individual measurements.

The Millimar C 1700 measuring computer combines everything your need for professional data analysis in production. Take your quality assurance to the next level.

- Interactive, touch software

- N 1700 simulator/configurator:
  Offline program creation, even without hardware

- Universal formula editor for complex
  measuring tasks

- Live visualization of measured data

- Simultaneous display of 128 digital or
  analog features

- Data output in Excel or qs-STAT file

- Traceability of past measurements using
  History View software option

Type	C1700 PC
Compatibility	USB, Integrated Wireless, Millimar N 1700
Measuring Combinations	Predefined wizards for standard features, links entered via comprehensive formula editor
Dimensions (W, H, D)	276 mm x 192 mm x 49,5 mm
Included in Package	Millimar Cockpit software including 10.1 in Touch PC, pre-installed Windows 10 IoT Enterprise, Mahr license key, installation disk, recovery stick 16 GB, AC adapter, VESA 100 standard bracket
Optional Accessories	Software option: Measuring value / master value history (order no.: 5312802)
Order No.	Touch PC with Cockpit software 5312801, Cockpit software (without PC) 5312804

The Cockpit software allows you to access prestored programs and start a measurement without having to specify settings yourself. Not only does this save you time, it also avoids potential error sources from manual setting. The presettings currently include nine of the main measuring task areas, but the user can also save individualized presettings for later and repeat measurements.

$3,006
Order No. 5312801

$166
Order No. 5331130

$446
Order No. 5331120

$222
Order No. 5331133

$310
Order No.5331134

$711
Order No. 5331155

Order No.	Model	List Price	Promo Price	Details
5312801	C1700 PC	$3,340	**$3,006**	Dynamic Function: MAX, MIN, MAX-MIN, MAX+MIN, 1 Signal Sharing Computer with Cockpit
5312804	Cockpit Software	$1,070	**$963**	Dynamic Function: MAX, MIN, MAX-MIN, MAX+MIN, Cockpit Software
5312802	History View	$293	**$264**	Allows for Basic Review of Data, Ave, Range, Trimer with Graphical Reprentation
5331120	N1702 M	$495	**$446**	Induction probe module, 2 Mahr LVDT, range ± 1 mm, ± 2 mm, ± 5 mm / ± 0.040 in, ± 0.080 in, ± -0.2 in
5331130	N1701 USB	$184	**$166**	USB connection module, 430 ma
5331133	N1701 PS	$246	**$222**	Power supply module, 2000 ma
5331134	N1704 I/O	$334	**$310**	Input/output module, 4 inputs / 4 outputs, 10 - 30 v, lamp/channel
5331155	N1700 PF	$790	**$711**	Module for Mahr Federal Air Tool 2500:1 / 5000:1 in, ± 76.5 μm/ ± -0.0015 μin
2258471	Air Kit	$328	**$296**	Air filter regulator kit for up to 3 air modules
4102058	Foot Switch	$125	**$113**	Foot Switch to trigger data transmission

Mahr

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