

Mahr

Mahr® | A passion for detail

2025
Edition

Mahrlights

New Product!

MarConnect

Best performance in every step

Integrated Wireless

130 products in 4 product groups

MarCator

Digital indicators with touch
keys and modern connectivity

Micromar

3-point bore micrometers



Promotional rates valid:
October 15 - December 31, 2025

FoxValleyMetrology.com/sales/promotions/

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Your interface for **even greater performance**

Two steps to the goal: combine your Integrated Wireless instruments with our multifunctional MarCom Professional software. This versatile interface tool combines data acquisition and data transfer with your data processing. How you process the collected data is entirely up to you – for maximum flexibility, choose from a range of output formats.

Enjoy maximum individuality at the workplace with a free choice of output medium and four output formats:

- Virtual interface box: CAQ/SPC software
- Intelligent Excel interface: Microsoft Excel
- Emulation keyboard: any Windows software
- Text file: flexible data processing



MarCator 1087 Ri
digital indicator

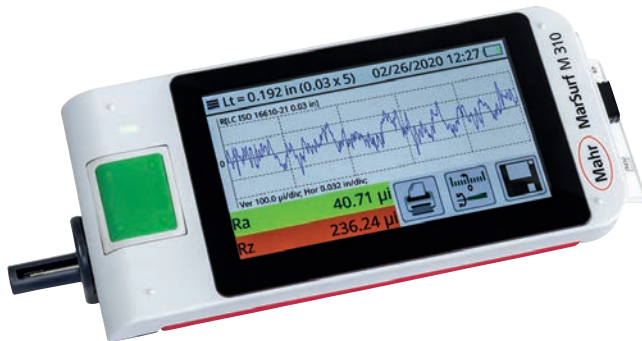


Free Download: Marcom Professional Software

Easily transfer measurement values directly into Microsoft Excel®, or via keyboard code into any Windows® program or SPC software using a virtual interface box. Scan the QR code or visit: www.mahr.com/marcom



The Micromar 44 EWRI clamp measuring screw with Integrated Wireless



MarSurf M 310 roughness measuring instrument with USB wireless adapter

- **Additional data:** Additional values are transferred to supplementary columns (name, serial number, item number, date and time)
- **Device parameters can now be preset:** reference values (preset, tolerance limits, warning limits in %), as well as, function locks can be queried and changed on the instrument
- **Improved Microsoft Excel functionality:**
 - Easily undo the last data transfer – right in the program with a simple click
 - Adapted column and row names: Z1S1 reference style for use with Microsoft® Excel® as in practice

Powerful and user-friendly due to continual updates!

Perfectly coordinated: MarCom Professional is the ideal data transfer software for all your quality assurance and production needs. It is perfectly equipped from the Integrated Wireless product line. A number of additional functions offer users maximum convenience when recording and transferring measurements.

3x

faster configuration

Save time: conveniently configure your measuring instruments via PC interface and eliminate the need for manually setting the instrument.

99 %

more reliable

Avoid operating errors: all information is automatically transferred and assigned thanks to the automatic identification of measurements and serial number transfers.

New features:

- IATF ready: transfers and displays the measuring equipment ID and item and serial number to clearly allocate the measuring equipment to the measurements
- Tab settings in up to 3 areas: settings, device parameters and goal
- Scalable measurement value display
- Manually sort the device overview using drag-and-drop



It couldn't be easier!

Scan the QR code and watch the video showing the practical application of the Integrated Wireless handheld measuring devices.

Comprehensive product range with Integrated Wireless

Mahr offers a comprehensive range of measuring instruments with Integrated Wireless data transmission for use in all areas of industrial manufacturing and quality control. The Integrated Wireless range from Mahr delivers accurate measuring results with full mobility. Modern, simple measuring solutions without the limitations of wired technology.

4

Product groups

130

Products



MarCal 16 EWRi

Digital caliper



Micromar 40 EWRi

Digital micrometer



MarCator 1086 Ri

Digital indicator



Micromar 44 EWRi

Digital inside micrometers



MarCator 1086 Ri with stand

Digital dial indicator



Micromar 844 EWRi

Digital inner measuring devices



Millimes 2001 Wi

Digital comparator





MarCator 1086 Ri

with Precimar SM 60

MarCal 16 EWRI / 30 EWRI

Digital calipers with IP 67 and wireless data transfer







\$249


MarCal 16 EWRI

4103401



Transfer measuring data conveniently
4102220





\$811

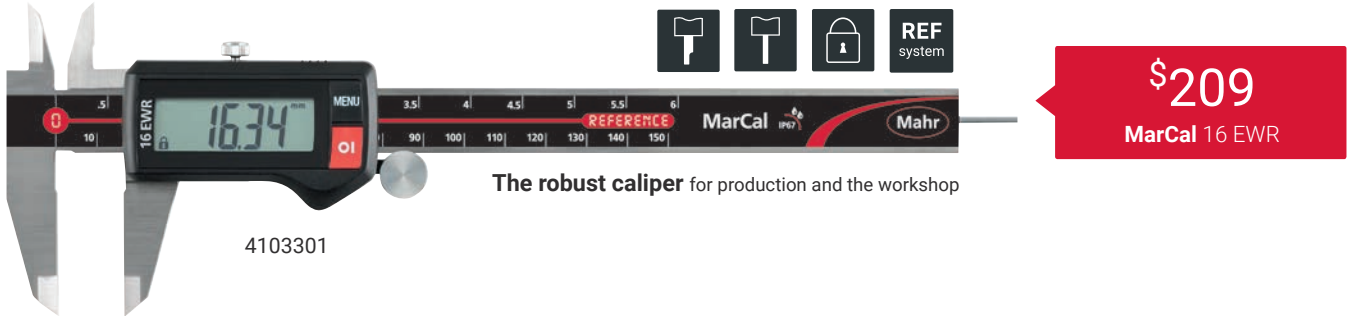
MarCal 30 EWRI

4126671

Order No.	Product	Measuring Range	Resolution	Depth Rod	Details	List Price	Promo Price
4103401	16 EWRI	0 -150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Round	IP67, with Integrated Wireless thumbwheel	\$332	\$249
4103403	16 EWRI	0 -150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Square	IP67, with Integrated Wireless thumbwheel	\$332	\$249
4103400	16 EWRI	0 -150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Round	With measuring blades	\$332	\$249
4103405	16 EWRI	0 -200 mm / 0 - 8 in	0.01 mm / 0.0005 in	Square	IP67, with Integrated Wireless thumbwheel	\$382	\$387
4103407	16 EWRI	0 -300 mm / 0 - 12 in	0.01 mm / 0.0005 in	Square	With friction wheel	\$535	\$402
4126671	30 EWRI	0 -150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Round	With measuring pin Ø 1,5 mm	\$819	\$811
Accessories for Measuring Instruments with Integrated Wireless							
4102220	i-Stick	Wireless receiver for measuring instruments with Integrated Wireless				\$128	\$102

MarCal 16 ER / 16 EWR

Digital calipers without data output



Order No.	Product	Measuring Range	Resolution	Depth Rod	Details	List Price	Promo Price
4103010	16 ER	0 - 150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Round	Without thumbwheel	\$176	\$141
4103011	16 ER	0 - 150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Round	With thumbwheel	\$177	\$142
4103012	16 ER	0 - 150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Retangular	Without thumbwheel	\$177	\$142
4103013	16 ER	0 - 150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Square	With thumbwheel	\$177	\$142
4103206	16 ER	0 - 200 mm / 0 - 8 in	0.01 mm / 0.0005 in	Square	With thumbwheel	\$283	\$241
4103208	16 ER	0 - 300 mm / 0 - 12 in	0.01 mm / 0.0005 in	-	Without thumbwheel	\$419	\$336
4103064	16 EWR	0 - 150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Round	Without thumbwheel	\$308	\$247
4103070	16 EWR	0 - 300 mm / 0 - 12 in	0.01 mm / 0.0005 in	-	With friction wheel	\$509	\$408
4103301	16 EWR	0 - 150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Round	IP67, with thumbwheel	\$261	\$209
4103303	16 EWR	0 - 150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Square	IP67, with thumbwheel	\$261	\$209
4118807	16 EWR-V	0 - 200 mm / 0 - 8 in	0.01 mm / 0.0005 in	Square	IP67, without thumbwheel	\$836	\$795

Micromar 40 EWRI

Micrometers that embody the pursuit of perfection



Order No.	Product	Measuring Range	Resolution	Details	List Price	Promo Price
4157100	40 EWRI	0 - 25 mm / 0 - 1 in	0.001 mm / 0.0005 in	IP65, Integrated Wireless	\$489	\$375
4157101	40 EWRI	25 mm - 50 mm / 1 in - 2 in	0.001 mm / 0.0005 in	IP65, Integrated Wireless	\$586	\$557
4157102	40 EWRI	50 mm - 75 mm / 2 in - 3 in	0.001 mm / 0.0005 in	IP65, Integrated Wireless	\$767	\$652
4157103	40 EWRI	75 mm - 100 mm / 3 in - 4 in	0.001 mm / 0.0005 in	IP65, Integrated Wireless	\$835	\$710
4157120	40 EWRI-L	0 - 25 mm / 0 - 1 in	0.001 mm / 0.0005 in	QUICK DRIVE, 5 mm per rotation	\$604	\$574
4157121	40 EWRI-L	25 mm - 50 mm / 1 in - 2 in	0.001 mm / 0.0005 in	QUICK DRIVE, 5 mm per rotation	\$690	\$656
Accessories for measuring instruments with Integrated Wireless and data cable connection						
4102220	i-Stick	Wireless receiver for measuring instruments with Integrated Wireless			\$128	\$102

Micromar 40 EWR

The robust ones for production and the workshop



Order No.	Product	Measuring Range	Resolution	Details	List Price	Promo Price
4157011	40 EWR	0 - 25 mm / 0 - 1 in	0.001 mm / 0.0005 in	IP65	\$366	\$363
4157012	40 EWR	25 - 50 mm / 1 in - 2 in	0.001 mm / 0.0005 in	IP65	\$503	\$428

New Product!

Micromar 44 EWri / 844 EWri

Digital 3-point inside micrometer and measuring device



- IP 65
- Lock
- TOL
- ABS
- #ID



\$3,610
Micromar 44 EWri-SET

- Touchscreen
- Lock
- TOL
- ABS
- #ID
- Bluetooth
- Digimatic
- Wireless



\$3,635
Micromar 844 EWri-SET



Order No.	Product	Measuring Range	Resolution	Details	List Price	Promo Price
4191340	44 EWri	6 mm - 12 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes	\$3,384	\$2,708
4191341	44 EWri	12 mm - 20 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes	\$2,903	\$2,708
4191342	44 EWri	20 mm - 50 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes	\$4,512	\$3,610
4191343	44 EWri	50 mm - 100 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes	\$5,384	\$4,308
4192340	844 EWri	6 mm - 12 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes by lever release	\$3,083	\$2,467
4192341	844 EWri	12 mm - 20 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes by lever release	\$3,189	\$2,552
4192342	844 EWri	20 mm - 50 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes by lever release	\$4,542	\$3,635
4192343	844 EWri	50 mm - 100 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes by lever release	\$5,542	\$4,332
Accessories for measuring instruments with Integrated Wireless and data cable connection						
4102220	i-Stick	Wireless receiver for measuring instruments with Integrated Wireless			\$128	\$102

New Product!

Micromar 44 EWR /844 EWR

Digital 3-point inside micrometer and measuring device



\$3,514
Micromar 44 EWR-SET



\$3,634
Micromar 844 EWR-SET



Order No.	Product	Measuring Range	Resolution	Details	List Price	Promo Price
4191240	44 EWR	6 mm - 12 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes	\$3,264	\$2,612
4191241	44 EWR	12 mm - 20 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes	\$2,783	\$2,227
4191242	44 EWR	20 mm - 50 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes	\$4,392	\$3,514
4191243	44 EWR	50 mm - 100 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes	\$5,264	\$4,212
4192240	844 EWR	6 mm - 12 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes by lever release	\$3,083	\$2,467
4192241	844 EWR	12 mm - 20 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes by lever release	\$3,189	\$2,552
4192242	844 EWR	20 mm - 50 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes by lever release	\$4,542	\$3,634
4192243	844 EWR	50 mm - 100 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes by lever release	\$5,414	\$4,332

New Product!

MarCator 1086 Ri / 1087 Ri

Perfectly suited to your measuring tasks



Order No.	Product	Measuring Range	Resolution	Details	List Price	Promo Price
4337720	1086 Ri	12.5 mm / 0.5 in	0.0005 mm, 0.001 mm, 0.002 mm, 0.005 mm, 0.01 mm / 0.000020 in, 0.00005 in, 0.008 in, 0.0001 in, 0.0005 in	For static measurements including lengths, distances and length differences	\$633	\$507
4337721	1086 Ri	25 mm / in	0.0005 mm, 0.001 mm, 0.002 mm, 0.005 mm, 0.01 mm / 0.000020 in, 0.00005 in, 0.008 in, 0.0001 in, 0.0005 in	For static measurements including lengths, distances and length differences	\$680	\$674
4337820	1087 Ri	12.5 mm / 0.5 in	0.0005 mm, 0.001 mm, 0.002 mm, 0.005 mm, 0.01 mm / 0.000020 in, 0.00005 in, 0.008 in, 0.0001 in, 0.0005 in	For static measurements including lengths, distances and length differences, dynamic measurements such as radial run-out, straightness and flatness using MAX / MIN / MAX-MIN functions	\$636	\$509
4337821	1087 Ri	25 mm / in	0.0005 mm, 0.001 mm, 0.002 mm, 0.005 mm, 0.01 mm / 0.000020 in, 0.00005 in, 0.008 in, 0.0001 in, 0.0005 in	For static measurements including lengths, distances and length differences, dynamic measurements such as radial run-out, straightness and flatness using MAX / MIN / MAX-MIN functions	\$807	\$799
Accessories for measuring instruments with Integrated Wireless and data cable connection						
4102220	i-Stick	Wireless receiver for measuring instruments with Integrated Wireless			\$128	\$102

MarCator 1086 Ri-HR / 1087 Ri-HR

Digital dial indicators with touch operation



\$663
MarCator 1086 Ri-HR



4337770



4337850



\$676
MarCator 1087 Ri-HR

High resolution version with 0.1µm

Order No.	Product	Measuring Range	Resolution	Details	List Price	Promo Price
4337770	1086 Ri-HR	12.5 mm / 0.5 in	0.0001 mm, 0.001 mm, 0.002 mm, 0.005 mm, 0.01 mm / 0.000020 in, 0.00005 in, 0.008 in, 0.0001 in, 0.0005 in	Dial indicator with lowest possible error limit and finest resolution, extensive measuring functions for static measurements	\$829	\$663
4337850	1087 Ri-HR	12.5 mm / 0.5 in	0.0005 mm, 0.001 mm, 0.002 mm, 0.005 mm, 0.01 mm / 0.000020 in, 0.00005 in, 0.008 in, 0.0001 in, 0.0005 in	Dial indicator with lowest possible error limit and finest resolution, extensive measuring functions for static and dynamic measurements	\$842	\$676

MarCator 1075 R / 1086 R / 1087 R

Digital dial indicators



4336010



\$215

MarCator 1075 R



4337780



4337701



4337801



4337800



\$444

MarCator 1086 R

Order No.	Product	Measuring Range	Resolution	Details	List Price	Promo Price
4336010	1075 R	12.5 mm / 0.5 in	0.01 mm / 0.0005 in	LOCK function	\$268	\$215
4336020	1075 R	12.5 mm / 0.5 in	0.005 mm / 0.0001 in	LOCK function	\$335	\$319
4336030	1075 R	12.5 mm / 0.5 in	0.001 mm / 0.00005 in	LOCK function	\$462	\$367
4337780	1086 R	12.5 mm / 0.5 in	0.01 mm / 0.0005 in	ABS, LOCK, Tol function	\$517	\$413
4337700	1086 R	12.5 mm / 0.5 in	0.0005 mm / 0.000020 in	ABS, LOCK, Tol function	\$589	\$472
4337701	1086 R	25 mm / 1 in	0.0005 mm / 0.000020 in	ABS, LOCK, Tol function	\$636	\$509
4337800	1087 R	12.5 mm / 0.5 in	0.0005 mm / 0.000020 in	ABS, LOCK, TOL function, Max/Min/Max-Min	\$592	\$444
4337801	1087 R	25 mm / 1 in	0.0005 mm / 0.000020 in	ABS, LOCK, TOL function, Max/Min/Max-Min	\$639	\$479

Millimes 2000 Wi / 2001 Wi

Digital comparators with touch control



High resolution version with 0.1 µm

\$824

Millimes 2000 Wi



4346701



4346801



\$1,093

Millimes 2001 Wi

Order No.	Product	Measuring Range	Resolution	Details	List Price	Promo Price
4346701	2000 Wi	± 1 mm / ± 0.040 in	0.0001 mm, 0.0002 mm, 0.0005 mm, 0.001 mm, 0.002 mm, 0.005 mm, 0.01 mm / 0.000005 in, 0.00001 in, 0.00002 in, 0.00005 in, 0.0001 in, 0.0002 in, 0.0005 in	Wireless	\$1,030	\$824
4346801	2001 Wi	± 1 mm / ± 0.040 in	0.0001 mm, 0.0002 mm, 0.0005 mm, 0.001 mm, 0.002 mm, 0.005 mm, 0.01 mm / 0.000005 in, 0.00001 in, 0.00002 in, 0.00005 in, 0.0001 in, 0.0002 in, 0.0005 in	Analog scale, Max/Min/TIR, wireless	\$1,150	\$1,093
Accessories for measuring instruments with Integrated Wireless and data cable connection						
4102220	i-Stick	Wireless receiver for measuring instruments with Integrated Wireless			\$128	\$102

Millimes 1002 / 1003 / 1010 / 2000 W / 2001 W

Everything reliably under control



\$290
Millimes 1003

4334000

IP 54 DIN 879-1



\$271
Millimes 1010

4332000

IP 54



\$766
Millimes 2000 W

4346700 *

IP 64 ABS #ID Digimatic



\$1,060
Millimes 2001 W

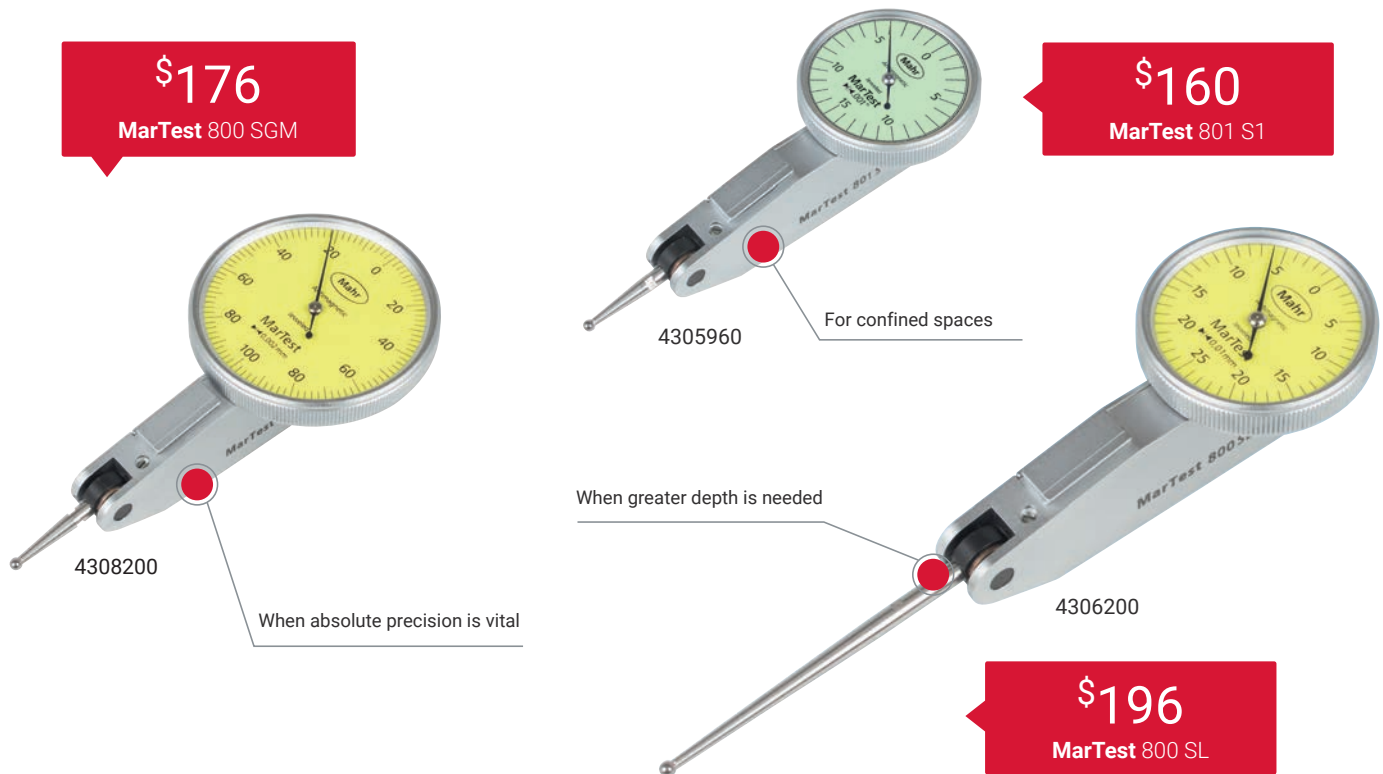
4346800 *

IP 64 ABS #ID Digimatic

Order No.	Product	Measuring Range	Display Resolution	Details	List Price	Promo Price
4335000	1002	± 25 µm	0.5 µm	Precision ball bearing of measuring spindle	\$794	\$755
4334000	1003	± 50 µm	1 µm	Precision ball bearing of measuring spindle	\$365	\$290
4334001	1003 XL	± 130 µm	2 µm	Precision ball bearing of measuring spindle	\$366	\$291
4335900	1002 Z	± 0.001 in	20 µin	Precision ball bearing of measuring spindle, with dynamics	\$794	\$755
4334900	1003 Z	± 0.002 in	50 µin	Precision ball bearing of measuring spindle, with dynamics	\$365	\$347
4332000	1010	± 250 µm	10 µm	Precision ball bearing of measuring spindle	\$339	\$271
4346700	2000 W	± 1 mm / ± 0.040 in	0.00001 mm, 0.0002 mm, 0.0005 mm, 0.001 mm, 0.002 mm, 0.005 mm, 0.01 mm / 0.000005 in, 0.00001 in, 0.00002 in, 0.00005 in, 0.0001 in, 0.0002 in, 0.0005 in	Precision ball bearing of measuring spindle, with dynamics	\$956	\$766
4346800	2001 W	± 1 mm / ± 0.040 in	0.0001 mm, 0.0002 mm, 0.0005 mm, 0.001 mm, 0.002 mm, 0.005 mm, 0.01 mm / 0.000005 in, 0.00001 in, 0.00002 in, 0.00005 in, 0.0001 in, 0.0002 in, 0.0005 in	Analog scale, Max/Min/TIR	\$1,070	\$1,060

MarTest 800 S / 800 SG / 800 SM

Dial test indicator measuring devices with scale display



Order No.	Product	Measuring Range	Graduation Value	Details	List Price	Promo Price
4311050	810 A	10.0 mm	0.01 mm	Dial ø 50.0 mm, mounting shaft 8.0 mm	\$92	\$70
4305200	800 S	± 0.4 mm	0.01 mm	Dial ø 28 mm, measuring insert length 14.5 mm	\$150	\$143
4307200	800 SG	± 0.4 mm	0.01 mm	Dial ø 38 mm, measuring insert length 14.5 mm	\$156	\$125
4306200	800 SL	± 0.25 mm	0.01 mm	Dial ø 28 mm, measuring insert length 41.24 mm	\$246	\$196
4308200	800 SGM	± 0.1 mm	0.002 mm	Dial ø 40.5 mm, measuring insert length 14.5 mm	\$219	\$176
4308220	800 SGE	± 0.07 mm	0.001 mm	Dial ø 40.5 mm, measuring insert length 9.15 mm	\$349	\$332
4308250	800 SRM	± 0.2 mm	0.002 mm	Dial ø 40.5 mm, measuring insert length 14.5 mm	\$293	\$279
4308960	801 SM	± 0.004 in	0.0001 in	Dial ø 30.0 mm, measuring insert length 14.5 mm	\$237	\$226
4302950	801 V	± 0.015 in	0.0005 in	Dial ø 30.0 mm, measuring insert length 14.5 mm	\$201	\$191
4303950	801 H	± 0.015 in	0.0005 in	Dial ø 30.0 mm, measuring insert length 14.5 mm	\$188	\$179
4305960	801 S1	± 0.015 in	0.0005 in	Dial ø 38 mm, measuring insert length 14.5 mm	\$168	\$160
4306120	800 EWL	± 0.25 mm	0.001 mm	Dial ø 40.3 mm, measuring insert length 41.24 mm	\$648	\$642
4307950	801 SG	± 0.015 in	0.0005 in	Dial ø 28 mm, measuring insert length 41.24 mm	\$201	\$191
4307970	801 SGI	± 0.010 in	0.0005 in	Dial ø 38 mm, measuring insert length 14.5 mm	\$176	\$168
4306960	801 SGL	± 0.010 in	0.0005 in	Dial ø 40.5 mm, measuring insert length 41.24 mm	\$235	\$224
4305950	801 SL	± 0.010 in	0.0005 in	Dial ø 28 mm, measuring insert length 41.24 mm	\$201	\$191
4306950	801 SL	± 0.010 in	0.0005 in	Dial ø 30 mm, measuring insert length 41.24 mm	\$209	\$199
4308970	801 SGM	± 0.004 in	0.0001 in	Dial ø 38 mm, measuring insert length 14.5 mm	\$227	\$216
4308985	801 SGE	± 0.004 in	0.00005 in	Dial ø 40.5 mm, measuring insert length 14.5 mm	\$240	\$228
4307960	801 SR	± 0.030 in	0.0005 in	Dial ø 40.5 mm, measuring insert length 14.5 mm	\$227	\$264

Millimar C 1200 / P 2004

Intelligent and universal application



5312012 *

\$478

Millimar P2004 M

5323010



\$1,368

Millimar C 1200 M



Compatability:
M = Mahr

Order No.	Product	Measuring Range	Resolution	Details	List Price	Promo Price
5312012	Millimar C 1200 M	± 5000 µm / ± 0.19 µin	0.1 µm / 4 µin	High-resolution, high-contrast TFT color display	\$1,710	\$1,368
5312011	Millimar C 1200 T	± 5000 µm / ± 0.19 µin	0.1 µm / 4 µin	High-resolution, high-contrast TFT color display	\$1,710	\$1,693

Order No.	Product	Measuring Range	Measuring Force	Details	List Price	Promo Price
5323010	P 2004 M	± 2 mm / ± 0.080 in	0.75 N	Inductive measuring probe	\$594	\$478
5323011	P 2004 T	± 2 mm / ± 0.080 in	0.75 N	Inductive measuring probe	\$671	\$540

Millimar C 1202 / N 1702 / P 2004 / P 1512 / P 1530

Flexible evaluation and display anywhere



\$1,536
Millimar C 1202

5312025



\$631
Millimar N 1702 M

5331120



\$1,444
Millimar N 1702 M-HR

5331125

Order No.	Product	Numerical Display	Resolution	Details	List Price	Promo Price
5312025	Millimar C 1202	± 999 999.9 µm	0.01, 0.1, 1 µm	High-resolution, high-contrast TFT color display	\$1,920	\$1,536

Order No.	Product	Measuring Range	Resolution	Details	List Price	Promo Price
5331120	Millimar N 1702 M	± 2 mm / ± 0.080 in	0.1 µm / 5 µin	Module for 2 inductive probes,	\$664	\$631
5331125	Millimar N 1702 M-HR	± 0.2 mm / ± 0.008 in	0.01 µm / 0.5 µin	Module for 2 inductive probes,	\$1,520	\$1,444

Marameter M 301P

Precision-parallel anvil design

\$1,387

MarMeter M 301 P

Application:

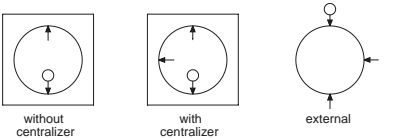
- For rapid measurements of cylindrical parts such as shafts, bolts and spindles
- For thickness and length measurements



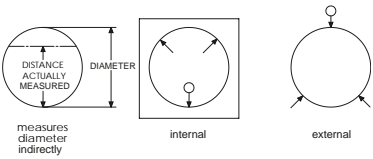
Order No.	Product	Measuring Range	Stem Mount Diameter	Details	List Price	Promo Price
2003110	M 301P-1	0 - 25.4 mm / 0 - 1 in	8 mm	No indicator, with lift lever	\$1,460	\$1,387
2003111	M 301P-2	25 mm - 50 mm / 1 in - 2 in	8 mm	No indicator, with lift lever	\$1,490	\$1,416
2003112	M 301P-3	50.8 mm - 76.2 mm / 2 in - 3 in	8 mm	No indicator, with lift lever	\$1,510	\$1,435
2003113	M 301P-4	76.2 mm - 101.6 mm / 3 in - 4 in	8 mm	No indicator, with lift lever	\$1,510	\$1,435
2003114	M 301P-5	101.6 mm - 127 mm / 4 in - 5 in	8 mm	No indicator, with lift lever	\$1,530	\$1,454
2054300	OMI 301P-1	0 - 25.4 mm / 0 - 1 in	3/8 in	No indicator, with lift lever	\$1,460	\$1,387
2054306	OMI 301P-2	25 mm - 50 mm / 1 in - 2 in	3/8 in	No indicator, with lift lever	\$1,490	\$1,416
2054307	OMI 301P-3	50.8 mm - 76.2 mm / 2 in - 3 in	3/8 in	No indicator, with lift lever	\$1,510	\$1,435
2054313	OMI 301P-4	76.2 mm - 101.6 mm / 3 in - 4 in	3/8 in	No indicator, with lift lever	\$1,510	\$1,435
2054314	OMI 301P-5	101.6 mm - 127 mm / 4 in - 5 in	3/8 in	No indicator, with lift lever	\$1,530	\$1,454

Marameter M 36B

Efficient ID/OD checks on the shop floor



"T"-plates give a diameter reading directly across the diameter. A third contact may be used as a side-stop or centralizer



"V"-plates are self-centralizing. Three jaws are used and the measurement is of the distance between the sensitive contact and the chord formed by the two reference contacts.

Order No.	Product	ID and OD Capacity	Plate Type	List Price	Promo Price
2003200	M36B-10	19 mm - 80 mm / 6 mm - 127 mm / 0.75 in - 3.50 in / 0.25 in - 5 in	T plate	\$3,380	\$3,211
2003201	M36B-20	19 mm - 197 mm / 6 mm - 222 mm / 0.75 in - 7.75 in / 0.25 in - 8.75 in	T plate	\$5,310	\$5,045
2064506	M36B-9	21 mm - 117 mm / 8 mm - 127 mm / 0.812 in - 4.625 in / 0.312 in - 5 in	V plate	\$3,610	\$3,430
2064863	M36B-19	21 mm - 229 mm / 8 mm - 241 mm / 0.812 in - 9 in / 0.312 in - 9.5 in	V plate	\$4,790	\$4,551

Digimar 814 SR

Ideal for the workshop, robust and universally applicable

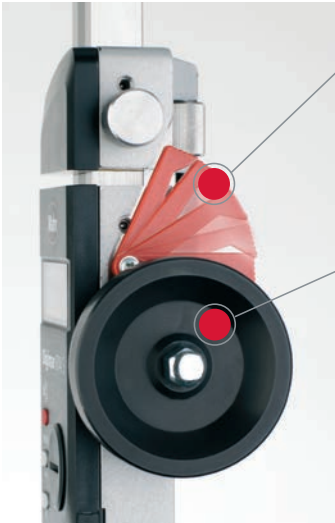


Height Measuring and Scribing Instrument

Exact positioning by handwheel

\$1,485
Digimar 814 SR

4426101



Clamping lever

for quickly securing the slide unit

Handwheel

for easy positioning and measuring

Order no.	Product	Measuring Range	Resolution	Details	List Price	Promo Price
4426100	814 SR	0 - 350 mm / 0 - 14 in	0.01 mm / 0.0005 in	Digit height 12 mm, handwheel for positioning and measuring	\$970	\$922
4426101	814 SR	0 - 600 mm / 0 - 24 in	0.01 mm / 0.0005 in	Digit height 12 mm, handwheel for positioning and measuring	\$1,500	\$1,485
4426104	814 SR	0 - 980 mm / 0 - 38.5 in	0.01 mm / 0.0005 in	Digit height 12 mm, handwheel for positioning and measuring	\$3,500	\$2,804

Digimar 817 CLT reaches great heights with maximum precision and flexibility



Best connection for secure data

Data can be transferred wirelessly or via USB cable via the MarConnect interface. Quickly print out a series of measurements with the available Star Micronics SM-L200 Bluetooth® printer. Choose between complete measuring records in PDF format or save your measuring records as a TXT file.



Interfaces for dial indicators

An interface integrated in the slide enables the error-free measurement of perpendicularity and straightness using the new Millimes 2000/2001 W dial comparators.



4429700



Simple touch measurement

Intuitive operation via large, clearly defined keys to ensure accurate completion of measurements, setting and calculation of functions, and creation of measuring programs via Drag & Drop.

Pivoting display

10-inch touch panel with turn/tilt joint so that it can be set individually for the work position, height of the operator, and lighting conditions.



Easy handling

The thumbwheel can be used to move the measuring slide quickly and easily start the measurement. The quick measurement function keys also automatically detect surfaces and bores.



Order No.	Product	Measuring Range	Resolution	List Price	Promo Price
4429700	817 CLT	0 - 350 mm / 0 - 14 in	0.01 mm, 0.005 mm, 0.001 mm, 0.0005 mm, 0.0001 mm / 0.0005 in, 0.0001 in, 0.00005 in, 0.000020 in, 0.000010 in	\$9,290	\$8,826
4429701	817 CLT	0 - 600 mm / 0 - 24 in	0.01 mm, 0.005 mm, 0.001 mm, 0.0005 mm, 0.0001 mm / 0.0005 in, 0.0001 in, 0.00005 in, 0.000020 in, 0.000010 in	\$10,500	\$10,300
4429702	817 CLT	0 - 1000 mm / 0 - 40 in	0.01 mm, 0.005 mm, 0.001 mm, 0.0005 mm, 0.0001 mm / 0.0005 in, 0.0001 in, 0.00005 in, 0.000020 in, 0.000010 in	\$17,600	\$16,720

Measure close to production with the Digimar 816 CLT

Measurements in the thick of the action: This is what the new Digimar 816 CLT is all about: due to its optimized mechanics, has proven itself in the rough and tumble of everyday production. Measure accurately and easily like never before! The new addition to the Mahr height measuring instruments boasts outstanding measuring accuracy and is extremely easy to operate. The Digimar 816 CLT has a practical touch display with extra-large buttons, an integrated PDF memory, wireless data transfer and a wide range of accessories to make your work easier.

Max. length measuring uncertainty:

$$2.0 + L/400 \mu\text{m}$$

(L in mm)



Advantages

- Extra large buttons for quick and reliable execution of functions.
- Reliable measuring results thanks to motorized contacting without manual operator influence.
- Create PDF measuring records directly on the device.
- Wireless data transfer or via USB.
- Free MarCom software to transfer data.

Best ergonomics

Ergonomic handles on both sides have an integrated operating key for the air bearing ensuring the device can be moved accurately and effortlessly on the measuring plate.



\$7,581

Digimar 816 CLT

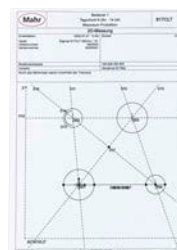
4429630

Best connection for secure data

Data can be transferred wirelessly or via USB cable via the MarConnect interface. Quickly print out a series of measurements? A Blue-tooth printer is available for this purpose. Simply choose between complete measuring records in PDF format or save your measuring records as a TXT file.

Creation of PDFs directly on the device

Practical: The device creates a complete PDF file without the need for additional software or transfer to a computer. Information can be added to the PDF files directly on the device.



Simple touch measurement

Intuitive operation via extra large, clearly defined keys to ensure the reliable completion of measurements, setting and calculation functions, and the creation of measuring programs via Drag & Drop.

Order No.	Product	Measuring Range	Resolution	List Price	Promo Price
4429630	816 CLT	0 - 350 mm / 0 - 14 in	0.01 mm, 0.005 mm, 0.001 mm, 0.0005 mm, 0.0001 mm / 0.0005 in, 0.0001 in, 0.00005 in, 0.000020 in, 0.000010 in	\$7,980	\$7,581
4429631	816 CLT	0 - 600 mm / 0 - 24 in	0.01 mm, 0.005 mm, 0.001 mm, 0.0005 mm, 0.0001 mm / 0.0005 in, 0.0001 in, 0.00005 in, 0.000020 in, 0.000010 in	\$9,180	\$8,721

Precimar SM 60 / SM 60-V is simple and robust, ideal for production and QA

Precise measuring results

due to the spring-loaded measuring spindle with high-precision bearing

Mount

for measuring equipment (digital indicator, probes, etc.)

Clamping lever

for securing the contact

Clamping screw

for securing the support table

Lifting lever

for easy positioning of the measuring probe

\$3,045

Precimar SM 60

5357360

\$3,230

Precimar SM 60-V

5357380 *

The Precimar SM 60-V with interchangeable measuring contacts for universal use.

Application example

Measurement of the diametral two-ball dimension of a gear

Order No.	Product	Measuring Range Indicator / Probe	Measuring Force	Application Range	Mount ø	Details	List Price	Promo Price
5357360	SM 60	25 mm / 1 in	1 N	0 - 60 mm / 0 - 2.36 in	8 mm	Table size ø 60 mm / flat anvil	\$3,800	\$3,045
5357380	SM 60-V	25 mm / 1 in	5 N	0 - 60 mm / 0 - 2.36 in	8 mm	Table size ø 60 mm / Including pair of carbide anvils Ø 3.5 mm	\$4,020	\$3,230

* Indicator sold separately

New Product!

Precimar SM 350 / 650 / 1150

Time and cost savings

Simply enter the desired reference value and the setting instrument moves to the desired dimension. No more time wasting searching for the correct setting ring diameter or wringing together gage block combinations.

Simply adjust dimensions by touch

The intuitive operation is carried out using large, clear keys for quick and straightforward settings.

Superior convenience

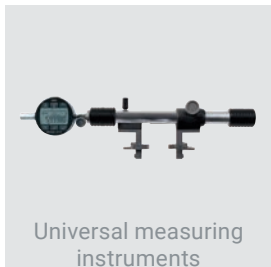
Creating favorites makes regular adjustments even easier. The corresponding dimension is set directly by scanning the barcode on the measuring instrument.



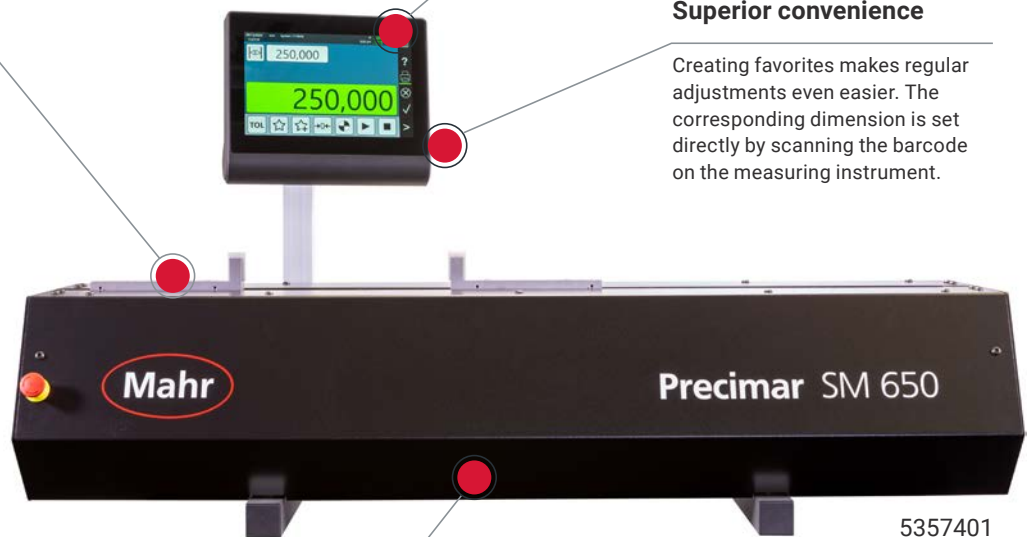
2-point inside measuring devices



Indicating snap gages



Universal measuring instruments



High accuracy

With an accuracy of $0.7 \mu\text{m} + L / 1000$, gage block combinations and setting rings can be easily replaced.

\$17,000

Precimar SM 650

Order no.	Product	Application Range	Details	List Price	Promo Price
5357400	SM 350	0 - 355 mm	Setting instrument	\$14,900	\$13,410
5357401	SM 650	0 - 655 mm	Setting instrument	\$18,900	\$17,000
5357402	SM 1150	0 - 1155 mm	Setting instrument	\$23,900	\$21,510

Pocket Surf IV

Simple to use and easy to read

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.



\$2,800
PocketSurf IV

2191800



Pocket Surf IV complete kit



A wide selection of stands, accessories and application-specific probes are available

Order No.	Product	Details	List Price	Promo Price
2191800	Pocket Surf IV	10 µm radius, 90° probe with PMD-90101 certified standard	\$3,240	\$2,800
2191802	Pocket Surf IV	5 µm radius, 90° probe with PMD-90101 certified standard	\$3,240	\$2,800

The MarSurf M 310 brings added value for mobile roughness measurement

Are you used to using your smartphone to access your data anytime, wherever you are? Mahr's MarSurf M 310 provides you a versatile device for the mobile recording and evaluation of measuring data. Simple operation and a robust design make this Mahr product perfectly suited for use in production, where dirt and dust can clog the instrument.

**Including new surface standard
DIN EN ISO 21920**

Status at a glance

Instrument status at a glance due to two easily visible status LEDs. Depending on the signal color, a measurement is underway, data is being transferred or an error has been detected. Standby mode shows the charging status.

Modern optics, perfect display

A high resolution, backlit 4.3" LCD display ensures precise display of your measuring results. It is operated directly via the touch-screen – just as you are used to with your smartphone.

Traceable results

The MarConnect duplex interface enables the transmission of a measuring equipment ID with each measurement. This makes measuring results traceable.

Robust in every respect

Equipped for virtually any environment: The robust skidded probe system means that the measuring instrument is less vulnerable to vibrations. The PHT probe is easy to clean due to its open skid.

Software with a guaranteed success

With this measuring instrument, you can reliably determine roughness parameters even without expert knowledge or training due to intuitive software, clear menu structures and preprogrammed measuring functions.



\$4,020

MarSurf M 310 SET

6910260

Order No.	Product	Measuring Range	Probe	Details	List Price	Promo Price
6910260	MarSurf M 310 set	350 µm	Skidded probe system 2 µm probe tip	Storage capacity for min. 3900 profiles, 1500 PDF protocols and 500,000 results, expandable with microSD card up to 32 GB	\$5,020	\$4,020

MarSurf PS 10

Mobile measuring made easy

The MarSurf PS 10 is the ideal entry level instrument for surface metrology: Its extraordinarily simple and intuitive operation, along with numerous safety functions including the automatic cutoff, make the device as easy to control as a smartphone. Due to its minimal size, it is also perfect for location-independent measurements – vertical, horizontal and even overhead if necessary. Due to the removable drive unit, the MarSurf PS 10 can be used flexibly in production.

The measuring instrument boasts three order options for increased flexibility: with stylus tip 2 µm, 5 µm and also a variant with a transverse drive unit (MarSurf PS 10 C2).

- Intuitive operation: As easy as using a smartphone with a rotatable display
- Creates complete PDF measuring records right in the measuring instrument and data backup as TXT, X3P, CSV and PDF files
- Customized comments for the PDF measuring record entered directly into the MarSurf PS 10
- Easy calibration due to an integrated, removable roughness standard
- Automatic cutoff selection, giving accurate results to any operator

**Including new surface standard
DIN EN ISO 21920**

9

other optional
probes

Always at hand

The calibration standard stays in the instrument and can be checked at any time.

1 lb / 500 g
lightweight



Extremely easy to operate with detailed profile display

The large 4.3" high-resolution and backlit LCD touch display allows intuitive operation and precise representation of the measuring profile.

Perfect evaluation and documentation

Measuring records are automatically created in the instrument without the need for additional software.

up to

500,000

measurements

can be stored in the instrument

31

parameters

same range of functions as a laboratory instrument

4.3"

LCD touch display

similar to a smartphone

at least

1,200

measurements

before needing a recharge

Flexible use

The removable drive unit, in conjunction with the optional handheld support, lends this instrument added versatility where space is limited, e.g. in holes or when measuring small parts.

\$2,800

MarSurf PS 10



Order No.	MarSurf PS 10 Promo	Measuring Range	List Price	Promo Price
2152918	MarSurf PS 10 with one 2 µm probe	350 µm	\$3,240	\$2,800
2152919	MarSurf PS 10 with one 5 µm probe	350 µm	\$3,240	\$2,800

The MarSurf M 410 is a **simple, innovative, and flexible** for hands-on use.

Mobile recording and evaluation of measuring data has never been easier. The MarSurf M 410 combines convenience and flexibility, much like a modern smartphone. With its practical touch display, integrated PDF memory, innovative accessories, and wireless data transfer, it simplifies your workload. Unique to Mahr, it features automatic filter settings, automatic probe contacting for unmatched measurement reliability, and a magnetic 3-point holder for the probe arm. Freely combinable accessories further enhance process security.

Possible to separate the display and probe system

Optionally, you can use the measuring instrument as a mini mobile measuring station, for example by simply attaching the display to the wall using the supplied pivoted docking station.

Simple alignment of the probe system

The inclination is easy to correct via the menu-driven, graphic instructions.

Intuitive operation via touch display

Easy to operate with an intuitive, smartphone-like interface, getting started is quick and straightforward.

Creation of PDFs directly on the device

Practical: The device creates a complete PDF file without the need for additional software or transfer to a computer. Information can be added to the PDF files directly on the device.

\$8,271
MarSurf M 410 SET

6910290

**Including new surface standard
DIN EN ISO 21920**

Magnetic probe holder

Probe arms can be changed quickly without tools and with additional protection: The magnetic 3-point holder ensures that the probe will not be broken in the event of a collision; it will be easily released by the magnetic holder.

Importing information using a scanner

Start your measuring program by scanning a QR or barcode. You do not need to enter any profile information as your saved measuring programs are linked with a corresponding code.

Wireless data transmission

Connect your measuring instrument to a PC via Bluetooth via wireless communication and transfer your data wirelessly to Microsoft Excel or another software application.

Order No.	Product	Measuring Range	Probe	Details	List Price	Promo Price
6910290	M 410 set	500 µm (±250 µm) with probe arm length 45 mm 1500 µm (±750 µm) with probe arm length 135 mm	2 µm probe supplied with set, 5 µm and 10 µm probes are optionally available	Storage capacity for min. 3900 profiles, 1500 PDF protocols and 500,000 results, expandable with microSD card up to 32 GB (increases the storage capacity by a factor of 320)	\$9,730	\$8,271

The MarSurf CD 140 AG 11 is **versatile** with an **intelligent probe system**

The MarSurf CD 140 AG 11 offers fast, precise measurements with a flexible workpiece holder for easy handling. Its versatility allows it to measure roughness ($R_a > 2 \mu\text{m}$), while the intelligent probe system and magnetic stylus tip holder enable tool-free tip replacement. The system offers a wide range of clamps and holders, and can be used both statically or directly at the workpiece. With a measuring range of 70 mm, stylus tips can be quickly replaced without recalibration.

Unique probe system

The probe system with a functional probe arm length of 350 mm enables a quick change of stylus tips without any tools and without having to recalibrate. The automatic measuring force selection guarantees the correct tracing force is selected when several different stylus tips are needed for different measurements.

Support plate for large components

The 390 mm x 450 mm large plate with 50 mm matrix of holes is also suitable for large-volume workpieces. This provides a variety of flexible clamping options.

Generous traverse path

The Y-axis can be adjusted manually with a traverse path of 60 mm.

Manual quick adjustment

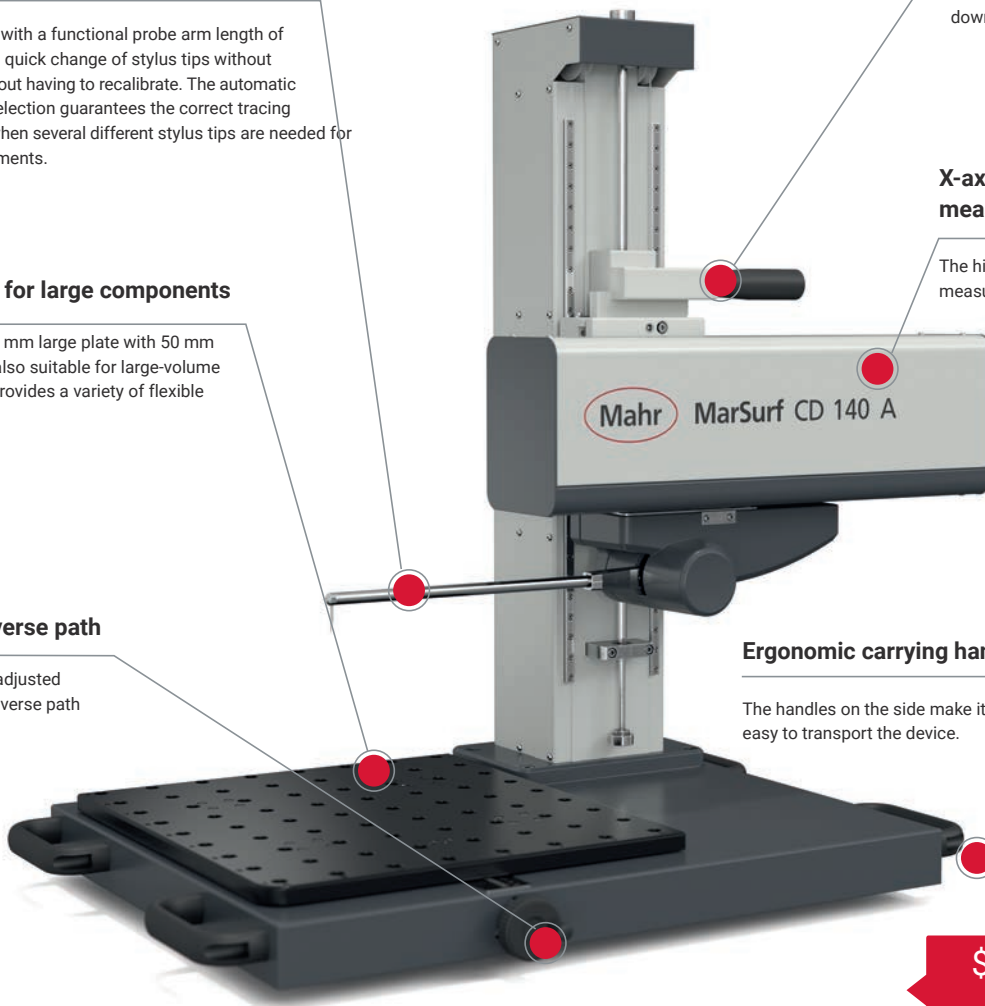
The fine adjustment is located in the Z-axis and moves the drive unit and down.

X-axis with maximum measuring range

The high-speed X-axis has a large measuring range of 140 mm.

Ergonomic carrying handles

The handles on the side make it easy to transport the device.



\$26,026

MarSurf CD 140 AG 11

Order No.	Product	Measuring Range	Probe	Details	List Price	Promo Price
2150198	MarSurf CD 140 AG 11	70 mm	With probe arm length 350 mm	Includes MarSurf CD 140 AG 11, EasyContour software, PC, monitor, calibration master. Does not include commissioning or travel expenses	\$30,400	\$26,026
2192104	MarSurf CD 140 AG 11 (including roughness option)	70 mm	With probe arm length 350 mm	Includes MarSurf CD 140 AG 11, EasyContour + Easy-Roughness software, 5 μm roughness probe, PC, monitor, calibration master. Does not include commissioning or travel expenses	\$36,700	\$28,171

Compact and versatile for surface metrology

We have added the new MarSurf SD 140 AG 11 to our portfolio of manual surface measuring instruments: it can check both roughness and contour features – in just one stroke. This measuring station offers easy handling and reliable quality assurance thanks to its high functionality. It is therefore also a suitable entry-level model for stationary surface metrology.

The heart of the MarSurf SD 140 AG 11 is the new tactile probe system. This can record the measurements for roughness and contour at the same time, which the software then evaluates separately. The probe arm measuring range spans 10 mm (with 100 mm long probe arm) and 25 mm (with 250 mm long probe arm), and the positioning speed can be set from 0.1 mm/s to 200 mm/s via software.

The probe system's tool-free probe arm quick-change function also saves time, allowing you to quickly switch to another measuring task and doesn't require recalibration of the new probe arm. The electronic probe arm detection and automatic measuring force selection provide even more reliability. These guarantee that the correct probe arm is loaded and the measuring force is set correctly for the measurement task.

Support plate with hole grid

Due to the special 50 mm on center support plate, you can use a wide variety of workpiece holders and clamps flexibly and quickly.



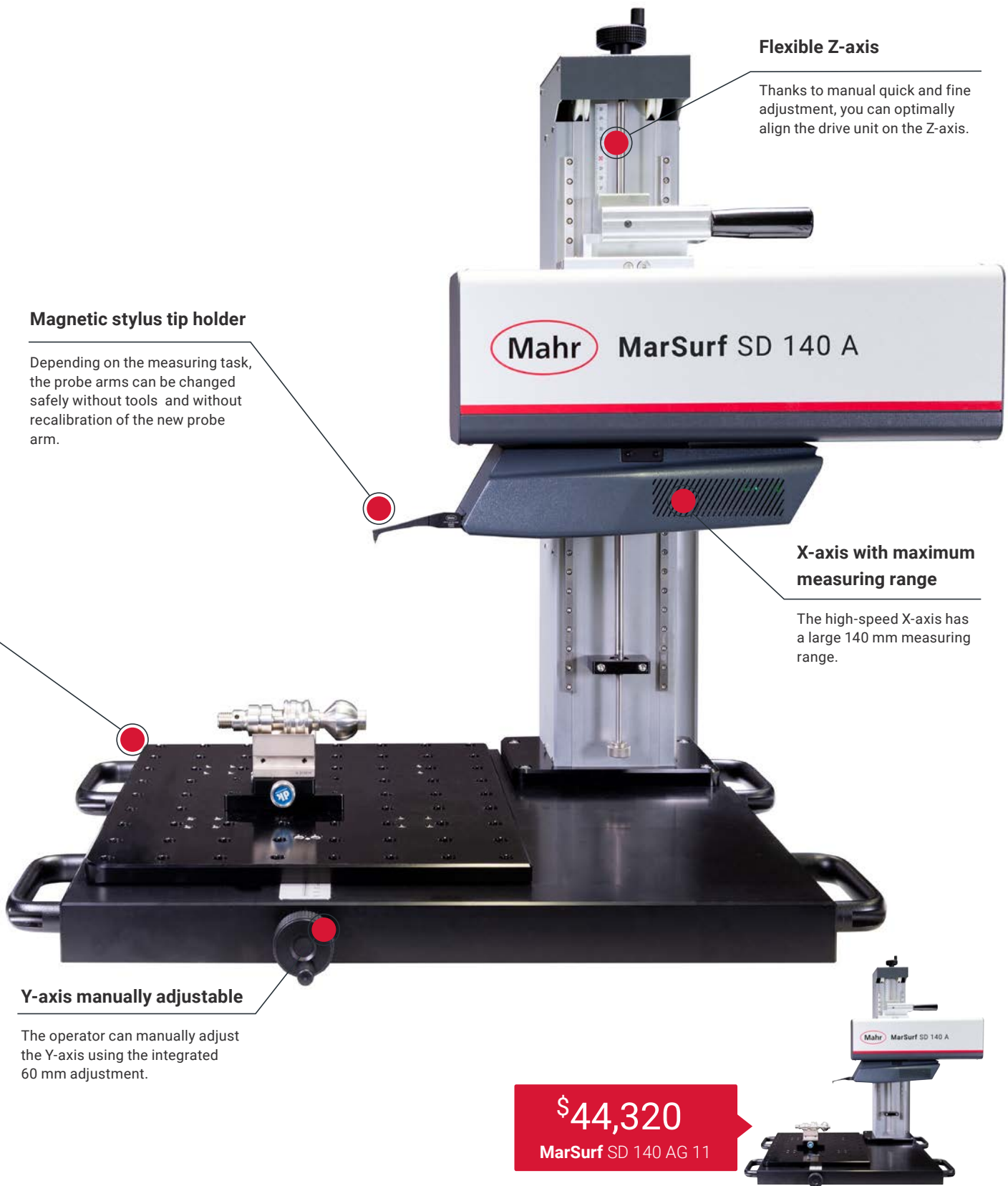
Advantages

- Measure roughness and contour in one stroke
- Tool-free probe arm quick-change function
- Electronic probe arm detection
- Automatic measuring force selection
- Defined start position with aligned axis
- Flexible clamping system: Support plate (390 mm x 450 mm) with 50 mm hole grid



More details can be found on our website:

[metrology.mahr.com/
marsurf-tactile-measuring-instruments](https://metrology.mahr.com/marsurf-tactile-measuring-instruments)



Order No.	Product	Measuring Range	Probe	Details	Promo Price
2150200	MarSurf SD 140 AG 11	10 mm with 100 mm long probe arm and 25 mm with 250 mm long probe arm	With probe arm length 100 mm or 250 mm	Includes MarSurf SD 140 AG 11, EasyContour + EasyRoughness software, 100 mm long - 2 µm diamond probe, 100 mm long - 500 µm diameter ruby probe, PC, monitor, calibration master Does not include commissioning or travel expenses	\$44,320

Mahr

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