



Mahr® | A passion for detail

2026
Edition

Mahrlights

New Product!

Micromar

3-point bore micrometers

Integrated Wireless

130 products in 4 product groups

Digimar

Motorized height measuring instruments

MarCator

Digital indicators with touch keys and modern connectivity



<https://metrology.mahr.com/en-us/>

Promotional rates valid:
April 1 - June 30, 2026

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Your interface for **even greater performance**

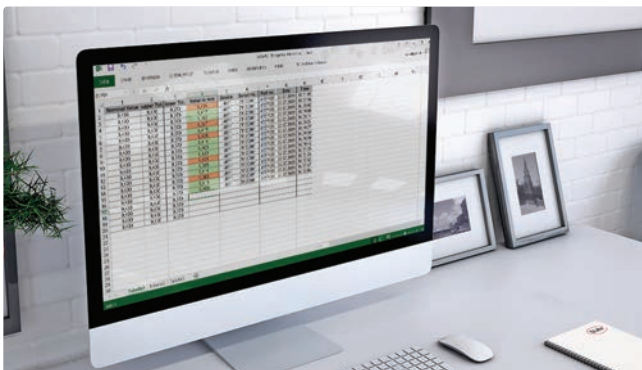
Two steps to the goal: combine your Integrated Wireless instruments with our multifunctional MarCom Professional software. This versatile interface tool combines data acquisition and data transfer with your data processing. How you process the collected data is entirely up to you, for maximum flexibility,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



Micromar 44 EWRi digital 3-point inside micrometer 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: R1C1 reference style for use with MicroSoft Excel as in practice

Powerful and user-friendly due to continual updates!

Perfectly coordinated: MarCom Professional Software is the ideal data transfer 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 44 EWRI

Digital inside micrometers



Micromar 40 EWRI

Digital micrometer



MarCator 1086 Ri

Digital indicator



MarCator 1086 Ri with stand

Digital dial indicator



Millimes 2001 Wi

Digital comparator



Micromar 844 EWRI

Digital inner measuring devices

MarCal 16 EWRI / 30 EWRI

Digital calipers with IP 67 and wireless data transfer

4103401

\$260
MarCal 16 EWRI

4102220

Transfer measuring data conveniently

4126671

\$810
MarCal 30 EWRI

Order No.	Product	Measuring Range	Resolution	Depth Rod	Details	Promo Price
4103401	16 EWRI	0 - 150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Round	IP67, with Integrated Wireless thumbwheel	\$260
4103403	16 EWRI	0 - 150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Square	IP67, with Integrated Wireless thumbwheel	\$260
4103405	16 EWRI	0 - 200 mm / 0 - 8 in	0.01 mm / 0.0005 in	Square	IP67, with Integrated Wireless thumbwheel	\$299
4103407	16 EWRI	0 - 300 mm / 0 - 12 in	0.01 mm / 0.0005 in	-	With friction wheel	\$418
4126671	30 EWRI	0 - 150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Round	With measuring pin Ø 1.5 mm	\$810
4126672	30 EWRI	0 - 200 mm / 0 - 8 in	0.01 mm / 0.0005 in	Round	With measuring pin Ø 1.5 mm	\$910

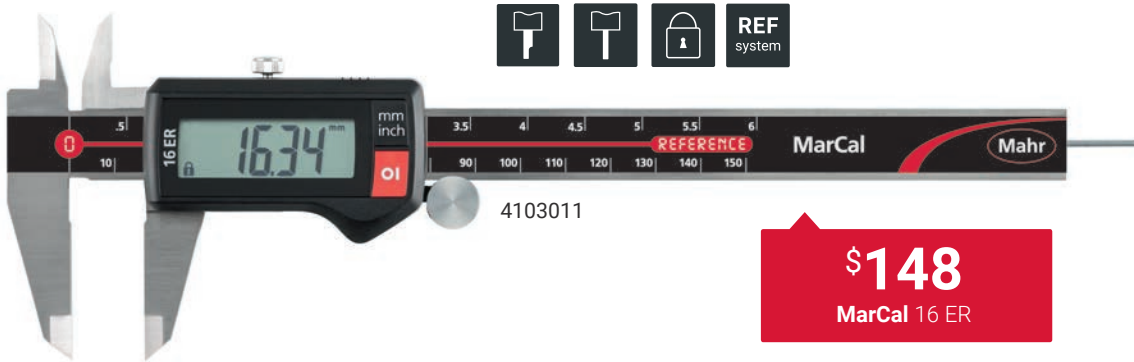
Accessories for Measuring Instruments with Integrated Wireless

4102220	i-Stick	Wireless receiver for measuring instruments with Integrated Wireless				\$128
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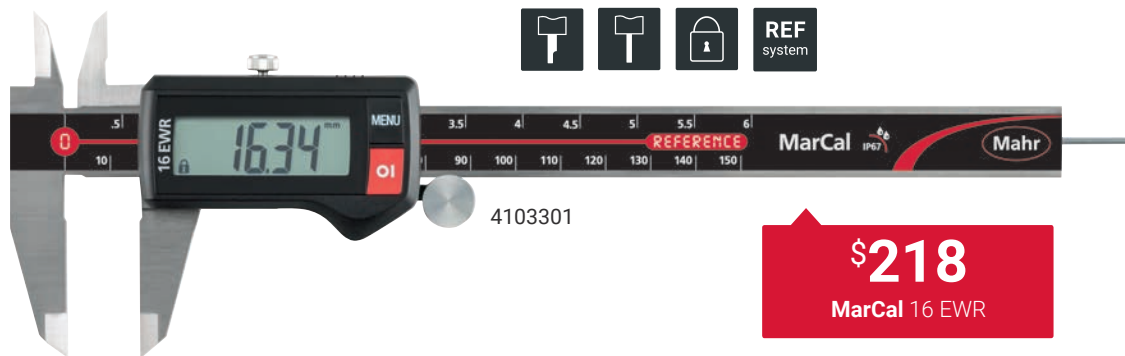
MarCal 16 ER / 16 EWR

Digital calipers without data output

The standard in the workshop



The robust caliper for production and the workshop



Order No.	Product	Measuring Range	Resolution	Depth Rod	Details	Promo Price
4103011	16 ER	0 - 150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Round	With thumbwheel	\$148
4103013	16 ER	0 - 150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Square	With thumbwheel	\$148
4103206	16 ER	0 - 200 mm / 0 - 8 in	0.01 mm / 0.0005 in	Square	With thumbwheel	\$251
4103208	16 ER	0 - 300 mm / 0 - 12 in	0.01 mm / 0.0005 in	-	Without thumbwheel	\$349
4103064	16 EWR	0 - 150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Round	Without thumbwheel	\$257
4103070	16 EWR	0 - 300 mm / 0 - 12 in	0.01 mm / 0.0005 in	-	With friction wheel	\$424
4103301	16 EWR	0 - 150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Round	IP67, with thumbwheel	\$218
4103303	16 EWR	0 - 150 mm / 0 - 6 in	0.01 mm / 0.0005 in	Square	IP67, with thumbwheel	\$218
4126653	30 EWR	0 - 300 mm / 0 - 12 in	0.01 mm / 0.0005 in	Round	IP67	\$887

Micromar 40 EWRI

Micrometers that embody the pursuit of perfection



\$484
Micromar 40 EWRI

\$598
Micromar 40 EWRI

Order No.	Product	Measuring Range	Resolution	Details	Promo Price
4157100	40 EWRI	0 - 25 mm / 0 - 1 in	0.001 mm / 0.0005 in	IP65, Integrated Wireless	\$484
4157101	40 EWRI	25 mm - 50 mm / 1 in - 2 in	0.001 mm / 0.0005 in	IP65, Integrated Wireless	\$580
4157102	40 EWRI	50 mm - 75 mm / 2 in - 3 in	0.001 mm / 0.0005 in	IP65, Integrated Wireless	\$679
4157103	40 EWRI	75 mm - 100 mm / 3 in - 4 in	0.001 mm / 0.0005 in	IP65, Integrated Wireless	\$739
4157115	40 EWRI	0 - 100 mm / 0 - 4 in	0.001 mm / 0.0005 in	Standard version. set with 4 micrometers	\$2,641
4157120	40 EWRI-L	0 - 25 mm / 0 - 1 in	0.001 mm / 0.0005 in	QUICK DRIVE, 5 mm per rotation	\$598
4157121	40 EWRI-L	25 mm - 50 mm / 1 in - 2 in	0.001 mm / 0.0005 in	QUICK DRIVE, 5 mm per rotation	\$683

Accessories for measuring instruments with Integrated Wireless and data cable connection

4102220	i-Stick	Wireless receiver for measuring instruments with Integrated Wireless			\$128
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Micromar 40 EWR

The robust ones for production and the workshop



\$498
Micromar 40 EWR

Order No.	Product	Measuring Range	Resolution	Details	Promo Price
4157011	40 EWR	0 - 25 mm / 0 - 1 in	0.001 mm / 0.0005 in	IP65	\$362
4157012	40 EWR	25 - 50 mm / 1 in - 2 in	0.001 mm / 0.0005 in	IP65	\$498

New Product!

Micromar 44 EWri / 844 EWri

Digital 3-point inside micrometer and measuring device



\$4,465

Micromar 44 EWri-SET



\$4,465

Micromar 844 EWri-SET



Order No.	Product	Measuring Range	Resolution	Details	Promo Price
4191340	44 EWri	6 mm - 12 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes	\$3,344
4191341	44 EWri	12 mm - 20 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes	\$2,869
4191342	44 EWri	20 mm - 50 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes	\$4,465
4191343	44 EWri	50 mm - 100 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes	\$5,320
4192340	844 EWri	6 mm - 12 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes by lever release	\$3,173
4192341	844 EWri	12 mm - 20 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes by lever release	\$3,278
4192342	844 EWri	20 mm - 50 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes by lever release	\$4,608
4192343	844 EWri	50 mm - 100 mm	0.001 mm / 0.00005 in	Measurement of through holes and blind holes by lever release	\$5,472
Accessories for measuring instruments with Integrated Wireless and data cable connection					
4102220	i-Stick	Wireless receiver for measuring instruments with Integrated Wireless			\$128

New Product!

MarCator 1086 Ri / 1087 Ri

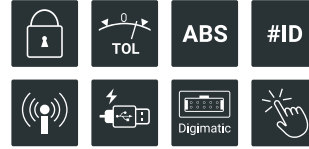
Perfectly suited to your measuring tasks



4337721

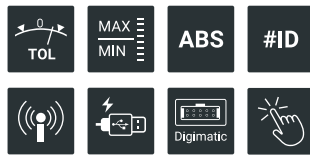


4337720



\$528

MarCator 1086 Ri



\$530

MarCator 1087 Ri



4337820



4337821

Order No.	Product	Measuring Range	Resolution	Details	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	\$528
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	\$638
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	\$530
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	\$756
Accessories for measuring instruments with Integrated Wireless and data cable connection					
4102220	i-Stick	Wireless receiver for measuring instruments with Integrated Wireless			\$128

MarCator 1086 Ri-HR / 1087 Ri-HR

Digital dial indicators with touch operation



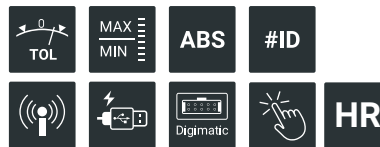
\$663
MarCator 1086 Ri-HR



4337770



4337850



High resolution version with 0.1 μm

\$701
MarCator 1087 Ri-HR

Order No.	Product	Measuring Range	Resolution	Details	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	\$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	\$701

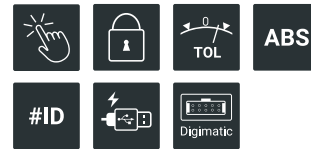
MarCator 1075 R / 1086 R / 1087 R

Digital dial indicators



\$238
MarCator 1075 R

\$404
MarCator 1086 R



\$404
MarCator 1086 R

Order No.	Product	Measuring Range	Resolution	Details	Promo Price
4336010	1075 R	12.5 mm / 0.5 in	0.01 mm / 0.0005 in	LOCK function	\$238
4336020	1075 R	12.5 mm / 0.5 in	0.005 mm / 0.0001 in	LOCK function	\$297
4336030	1075 R	12.5 mm / 0.5 in	0.001 mm / 0.00005 in	LOCK function	\$409
4337780	1086 R	12.5 mm / 0.5 in	0.01 mm / 0.0005 in	ABS, LOCK, Tol function	\$404
4337700	1086 R	12.5 mm / 0.5 in	0.0005 mm / 0.000020 in	ABS, LOCK, Tol function	\$461
4337701	1086 R	25 mm / 1 in	0.0005 mm / 0.000020 in	ABS, LOCK, Tol function	\$498
4337800	1087 R	12.5 mm / 0.5 in	0.0005 mm / 0.000020 in	ABS, LOCK, TOL function, Max/Min/Max-Min	\$463
4337801	1087 R	25 mm / 1 in	0.0005 mm / 0.000020 in	ABS, LOCK, TOL function, Max/Min/Max-Min	\$599

Millimes 2000 Wi / 2001 Wi

Digital comparators with touch control



High resolution version with 0.1 μm

\$1,026

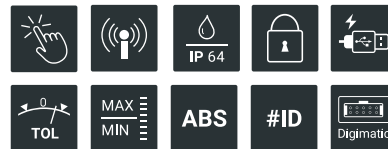
Millimes 2000 Wi



4346701



4346801



\$1,140

Millimes 2001 Wi

Order No.	Product	Measuring Range	Resolution	Details	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	\$1,026
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	\$1,140
Accessories for measuring instruments with Integrated Wireless and data cable connection					
4102220	i-Stick	Wireless receiver for measuring instruments with Integrated Wireless			\$128

Millimes 1002 / 1003 / 2000 W / 2001 W

Everything reliably under control

\$342
Millimes 1003

IP 54
DIN 879-1



4334000

\$946
Millimes 2000 W

4346700 *

IP 64
ABS
#ID
Digimatic



\$1,064
Millimes 2001 W

4346800 *

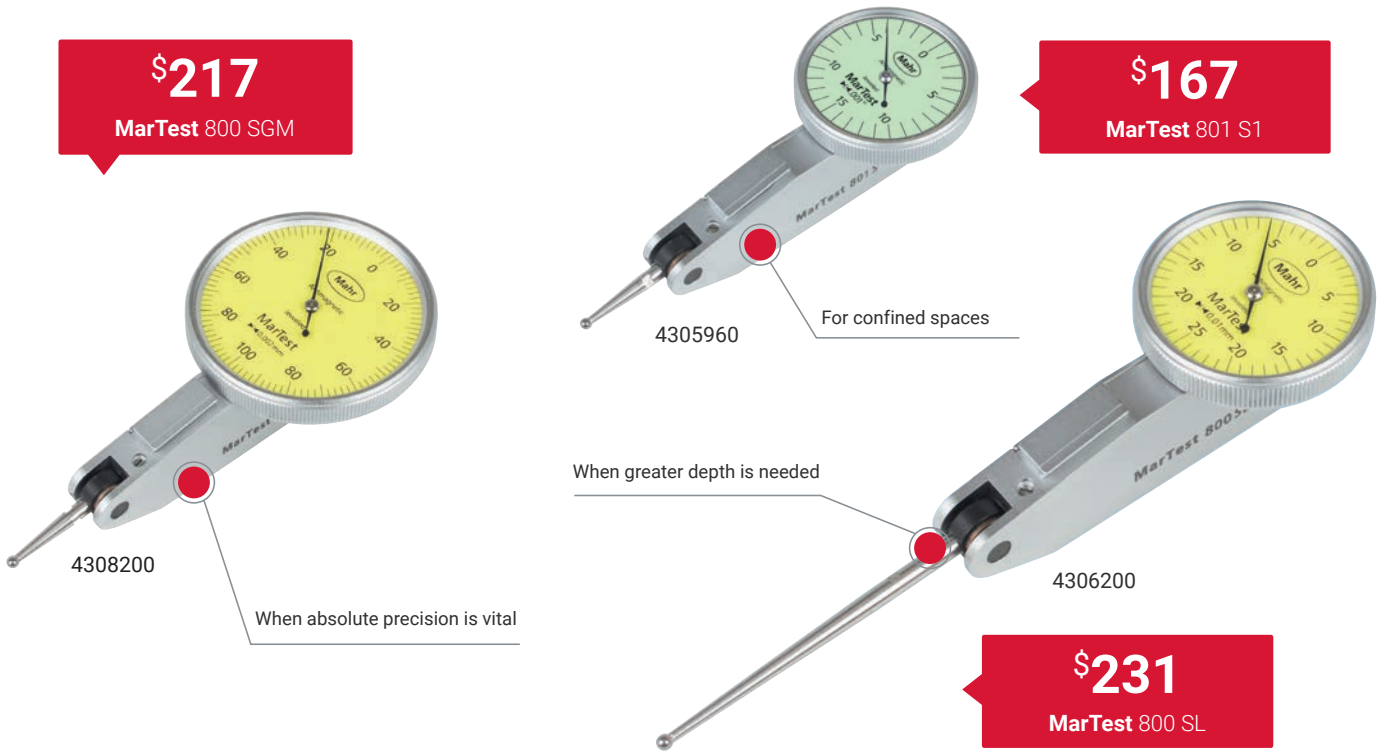
IP 64
ABS
#ID
Digimatic



Order No.	Product	Measuring Range	Display Resolution	Details	Promo Price
4335000	1002	± 25 µm	0.5 µm	Precision ball bearing of measuring spindle	\$744
4334000	1003	± 50 µm	1 µm	Precision ball bearing of measuring spindle	\$342
4334001	1003 XL	± 130 µm	2 µm	Precision ball bearing of measuring spindle	\$343
4335900	1002 Z	± 0.001 in	20 µin	Precision ball bearing of measuring spindle, with dynamics	\$785
4334900	1003 Z	± 0.002 in	50 µin	Precision ball bearing of measuring spindle, with dynamics	\$361
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	\$946
4346800	2001 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	Analog scale, Max/Min/TIR	\$1,064

MarTest 800 S / 800 SG / 800 SM

Dial test indicator measuring devices with scale display



Order No.	Product	Measuring Range	Graduation Value	Details	Promo Price
4311050	810 A	10.0 mm	0.01 mm	Dial ø 50.0 mm, mounting shaft 8.0 mm	\$82
4305200	800 S	±0.4 mm	0.01 mm	Dial ø 28 mm, measuring insert length 14.5 mm	\$149
4307200	800 SG	±0.4 mm	0.01 mm	Dial ø 38 mm, measuring insert length 14.5 mm	\$147
4306200	800 SL	±0.25 mm	0.01 mm	Dial ø 28 mm, measuring insert length 41.24 mm	\$231
4308200	800 SGM	±0.1 mm	0.002 mm	Dial ø 40.5 mm, measuring insert length 14.5 mm	\$217
4308220	800 SGE	±0.07 mm	0.001 mm	Dial ø 40.5 mm, measuring insert length 9.15 mm	\$345
4308250	800 SRM	±0.2 mm	0.002 mm	Dial ø 40.5 mm, measuring insert length 14.5 mm	\$290
4308960	801 SM	±0.004 in	0.0001 in	Dial ø 30.0 mm, measuring insert length 14.5 mm	\$235
4302950	801 V	±0.015 in	0.0005 in	Dial ø 30.0 mm, measuring insert length 14.5 mm	\$207
4303950	801 H	±0.015 in	0.0005 in	Dial ø 30.0 mm, measuring insert length 14.5 mm	\$187
4305960	801 S1	±0.015 in	0.0005 in	Dial ø 38 mm, measuring insert length 14.5 mm	\$167
4307950	801 SG	±0.015 in	0.0005 in	Dial ø 28 mm, measuring insert length 41.24 mm	\$200
4307970	801 SGI	±0.010 in	0.0005 in	Dial ø 38 mm, measuring insert length 14.5 mm	\$175
4306960	801 SGL	±0.010 in	0.0005 in	Dial ø 40.5 mm, measuring insert length 41.24 mm	\$233
4305950	801 S	±0.010 in	0.0005 in	Dial ø 28 mm, measuring insert length 41.24 mm	\$208
4306950	801 SL	±0.010 in	0.0005 in	Dial ø 30 mm, measuring insert length 41.24 mm	\$208
4308970	801 SGM	±0.004 in	0.0001 in	Dial ø 38 mm, measuring insert length 14.5 mm	\$226
4308985	801 SGE	±0.004 in	0.00005 in	Dial ø 40.5 mm, measuring insert length 14.5 mm	\$238
4307960	801 SR	±0.030 in	0.0005 in	Dial ø 40.5 mm, measuring insert length 14.5 mm	\$275

Millimar C 1200 / P 2004

Intelligent and universal application



5312012 *

\$525
Millimar P2004 M

5323010

\$1,600
Millimar C 1200 M



Compatibility:
M = Mahr



Order No.	Product	Measuring Range	Resolution	Details	Promo Price
5312012	Millimar C 1200 M	± 5000 µm / ± 0.19 µin	0.1 µm / 4 µin	High-resolution, high-contrast TFT color display	\$1,600
5312011	Millimar C 1200 T	± 5000 µm / ± 0.19 µin	0.1 µm / 4 µin	High-resolution, high-contrast TFT color display	\$1,600

Order No.	Product	Measuring Range	Measuring Force	Details	Promo Price
5323010	P 2004 M	± 2 mm / ± 0.080 in	0.75 N	Inductive measuring probe	\$525
5323011	P 2004 T	± 2 mm / ± 0.080 in	0.75 N	Inductive measuring probe	\$595

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

Flexible evaluation and display anywhere



\$1,700
Millimar C 1202

5312025



\$588
Millimar N 1702 M

5331120



\$1,352
Millimar N 1702 M-HR

5331125

Order No.	Product	Numerical Display	Resolution	Details	Promo Price
5312025	Millimar C 1202	± 999 999.9 µm	0.01, 0.1, 1 µm	High-resolution, high-contrast TFT color display	\$1,700

Order No.	Product	Measuring Range	Resolution	Details	Promo Price
5331120	Millimar N 1702 M	± 2 mm / ± 0.080 in	0.1 µm / 5 µin	Module for 2 inductive probes,	\$588
5331125	Millimar N 1702 M-HR	± 0.2 mm / ± 0.008 in	0.01 µm / 0.5 µin	Module for 2 inductive probes,	\$1,352



Everything You Need for Air Gaging in One Complete Package

Whether you're using an older Mahr system or another type of air gage system, now is the perfect time to upgrade to the latest technology! **We offer a limited-time 20% discount valid for the purchase of a complete package solution.**

Simplify your air gaging setup with a fully integrated system designed for accuracy, reliability, and performance. The package includes all essential components—amplifier, module, air filter and regulator, air gage, air hose, and setting master, so you can get your application up and running with confidence.

With over 80 years of experience and a reputation for exceptional support, Mahr Inc. is a trusted leader in air gaging. This promotion is a great opportunity to see the difference for yourself.



Complete Package: 2114834

- Millimar C 1202
- Air Filter & Regulator
- Air Hose
- N1701 Module



Master

Air Ring

Air Plug

Air Snap

Promotion includes air plugs, air rings, air snaps, Millimar C 1202 and accessories when purchased as part of a complete system package.

***Specify a standard configuration air plug, air ring, air snap, master and add part number 2114834 to receive 20% discount.**

Limitations apply, contact your Mahr Inc. Channel Partner or Mahr Inc. District Manager for complete details. Offer not valid with any other promotion.

Marameter M 301P

Precision-parallel anvil design

\$1,444
MarMeter M 301 P

Application:

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

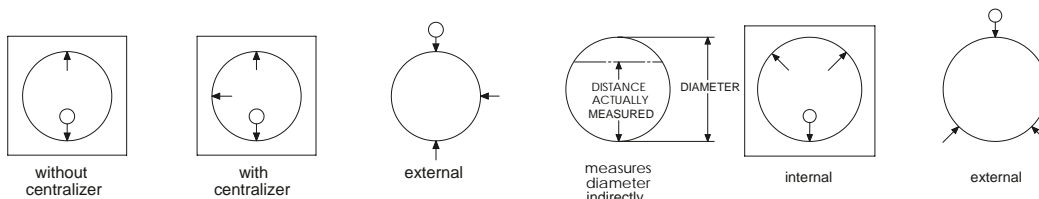


2003110

Order No.	Product	Measuring Range	Stem Mount Diameter	Details	Promo Price
2003110	M 301P-1	0 - 25.4 mm / 0 - 1 in	8 mm	No indicator, with lift lever	\$1,444
2003111	M 301P-2	25 mm - 50 mm / 1 in - 2 in	8 mm	No indicator, with lift lever	\$1,473
2003112	M 301P-3	50.8 mm - 76.2 mm / 2 in - 3 in	8 mm	No indicator, with lift lever	\$1,501
2003113	M 301P-4	76.2 mm - 101.6 mm / 3 in - 4 in	8 mm	No indicator, with lift lever	\$1,501
2003114	M 301P-5	101.6 mm - 127 mm / 4 in - 5 in	8 mm	No indicator, with lift lever	\$1,520
2054300	OMI 301P-1	0 - 25.4 mm / 0 - 1 in	3/8 in	No indicator, with lift lever	\$1,444
2054306	OMI 301P-2	25 mm - 50 mm / 1 in - 2 in	3/8 in	No indicator, with lift lever	\$1,473
2054307	OMI 301P-3	50.8 mm - 76.2 mm / 2 in - 3 in	3/8 in	No indicator, with lift lever	\$1,501
2054313	OMI 301P-4	76.2 mm - 101.6 mm / 3 in - 4 in	3/8 in	No indicator, with lift lever	\$1,501
2054314	OMI 301P-5	101.6 mm - 127 mm / 4 in - 5 in	3/8 in	No indicator, with lift lever	\$1,520

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	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	\$3,344
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	\$5,254
2064506	M36B-9	21 mm - 117 mm / 8 mm - 127 mm / 0.812 in - 4.625 in / 0.312 in - 5 in	V plate	\$3,572
2064863	M36B-19	21 mm - 229 mm / 8 mm - 241 mm / 0.812 in - 9 in / 0.312 in - 9.5 in	V plate	\$4,741

Digimar 814 SR

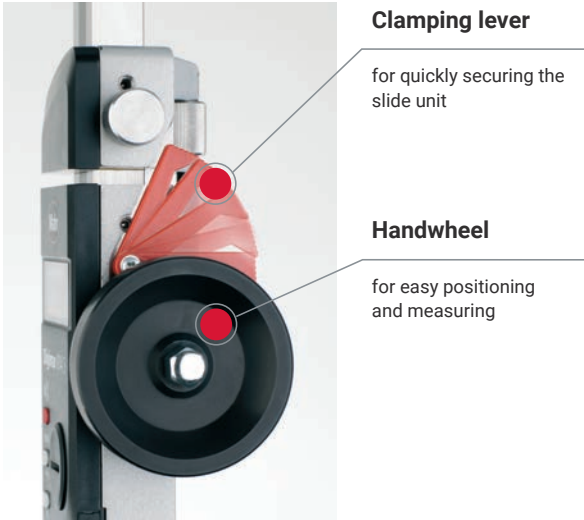
Ideal for the workshop, robust and universally applicable



Height Measuring and Scribing Instrument

Exact positioning by handwheel

\$1,326
Digimar 814 SR



Clamping lever

for quickly securing the slide unit

Handwheel

for easy positioning and measuring

4426101

Order no.	Product	Measuring Range	Resolution	Details	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	\$859
4426101	814 SR	0 - 600 mm / 0 - 24 in	0.01 mm / 0.0005 in	Digit height 12 mm, handwheel for positioning and measuring	\$1,326
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	\$3,094

Digimar 817 CLT reaches great heights with maximum precision and flexibility



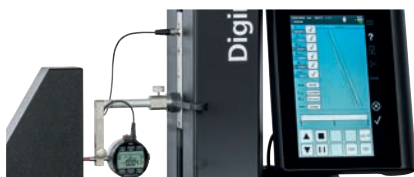
Best connection for secure data

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.



\$8,700
Digimar 817 CLT

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	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	\$8,700
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	\$10,250
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	\$17,500

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.



\$7,850
Digimar 816 CLT

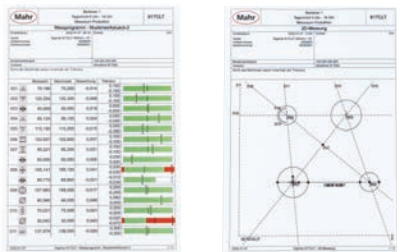
4429630

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	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	\$7,850
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	\$8,950

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	Promo Price
2191800	Pocket Surf IV	10 µm radius, 90° probe with PMD-90101 certified standard	\$2,800
2191802	Pocket Surf IV	5 µm radius, 90° probe with PMD-90101 certified standard	\$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.

\$3,950

MarSurf M 310 SET

6910260

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.

Order No.	Product	Measuring Range	Probe	Details	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	\$3,950

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	Promo Price
6910230	MarSurf PS 10 with one 2 µm probe set	350 µm	\$2,800
6910232	MarSurf PS 10 with one 5 µm probe set	350 µm	\$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.

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.

Simple alignment of the probe system

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

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.

\$8,900
MarSurf M 410 SET

6910290

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



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.

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.

Order No.	Product	Measuring Range	Probe	Details	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)	\$8,900

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

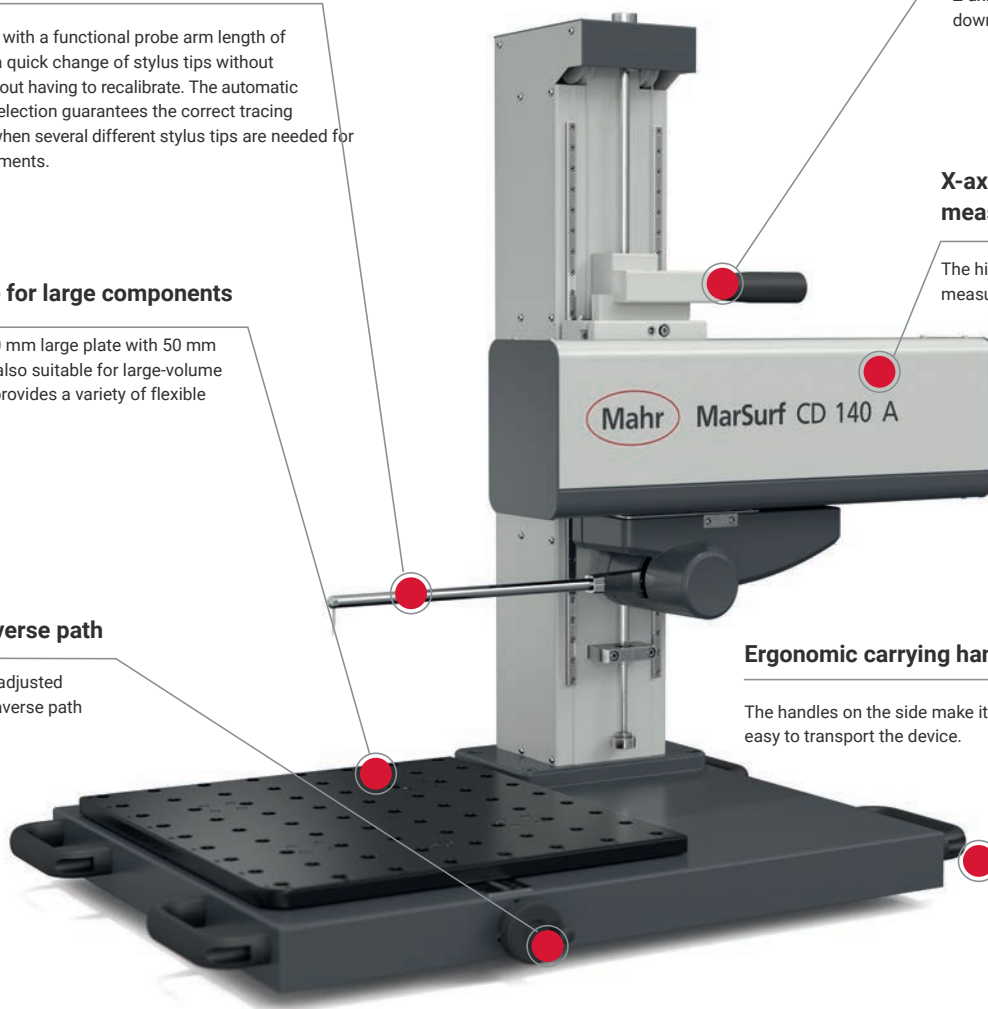
The fine adjustment is located in the Z-axis and moves the drive unit and down.

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.



Order No.	Product	Measuring Range	Probe	Details
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
2192104	MarSurf CD 140 AG 11 (including roughness option)	70 mm	With probe arm length 350 mm	Includes MarSurf CD 140 AG 11, EasyContour + EasyRoughness software, 5 μm roughness probe, PC, monitor, calibration master. Does not include commissioning or travel expenses

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.



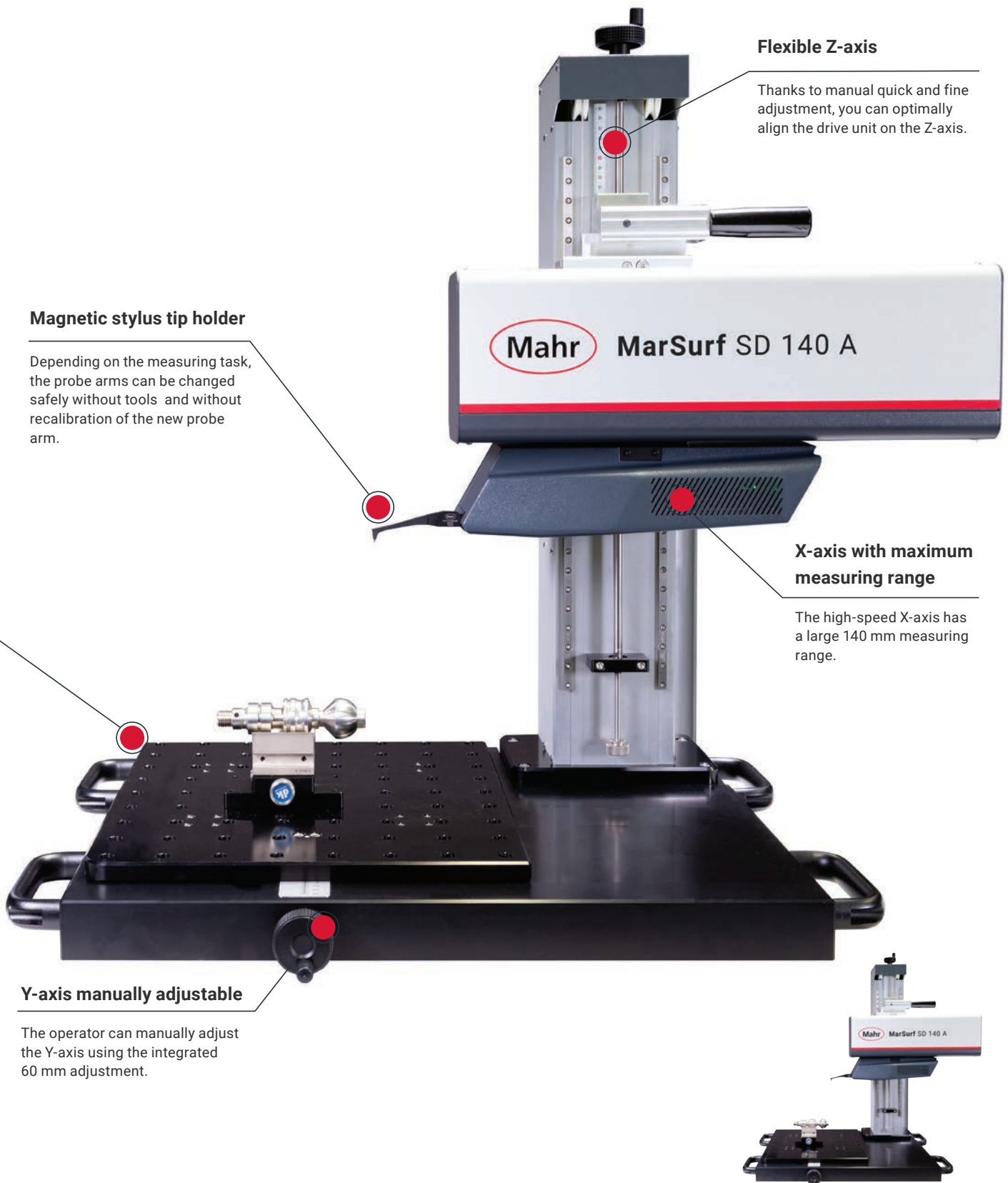
Advantages

- 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)



Flexible Z-axis

Thanks to manual quick and fine adjustment, you can optimally align the drive unit on the Z-axis.

Magnetic stylus tip holder

Depending on the measuring task, the probe arms can be changed safely without tools and without recalibration of the new probe arm.

X-axis with maximum measuring range

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

Y-axis manually adjustable

The operator can manually adjust the Y-axis using the integrated 60 mm adjustment.

Order No.	Product	Measuring Range	Probe	Details
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



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