



Mahr | A passion for detail

Edition
1 | 2026

Mahrlights

Integrated Wireless

130 products in 4 product groups

Micromar

Digital inside micrometers with outstanding ergonomics and connectivity

Digimar

Production-oriented measurement with Mahr height measuring instruments

Numerous other product offers

New!



Promotional period
April 7 to May 31, 2026



www.metrology.mahr.com

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

Mahrlights



MarCal 16 EWRI

Digital calipers



Micromar 40 EWRI

Digital outside micrometers



MarCator 1086 Ri

Digital dial indicators

Micromar 44 EWRI

Digital inside micrometers



Millimes 2001 Wi

Inductive dial comparator



Micromar 844 EWRI

Digital inner measuring devices



Millimes 2001 Wi

Inductive dial comparators

MarCator 1086 Ri with length measuring bench

Digital dial indicator



You can find detailed information about the products at <https://metrology.mahr.com/en-int/>. All illustrations and technical data are without guarantee. All prices shown are recommended retail prices. The net prices are shown in NOK, they exclude sales tax and are valid from April 7 to May 31, 2026

MarCal 16 EWRI / 30 EWRI

Digital calipers with wireless interface

Mahrlights



Order no.	Product	Measuring range	Resolution	Depth rod	Details	List price	Offer price
		mm	mm			NOK	NOK
4103400	16 EWRI	0 – 150	0,01	round	With measuring blades	4,500	2,050
4103402	16 EWRI	0 – 150	0,01	square	With measuring blades	4,500	2,050
4126671	30 EWRI	0 – 150	0,01		With measuring pin Ø 1,5 mm	8,300	4,800
4126672	30 EWRI	0 – 200	0,01		With measuring pin Ø 1,5 mm	9,400	5,500
4126673	30 EWRI	0 – 300	0,01		With measuring pin Ø 1,5 mm	10,900	6,300

Accessories for measuring instruments with Integrated Wireless							
4102220	i-Stick	Wireless receiver for measuring instruments with Integrated Wireless				2,250	1,200

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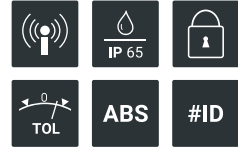
Micromar 40 EWRI / 40 EWRI-L

Micrometers with advanced features

Mahrlights



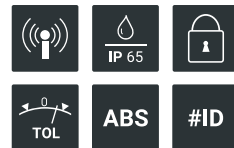
4157100



3,400
Micromar 40 EWRI



4157120



4,200
Micromar 40 EWRI-L

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		NOK	NOK
4157100	40 EWRI	0 – 25	0,001	Standard version	6,200	3,400
4157101	40 EWRI	25 – 50	0,001	Standard version	7,200	3,900
4157115	40 EWRI	0 – 100	0,001	Standard version. set with 4 micrometers	32,000	17,600
4157120	40 EWRI-L	0 – 25	0,001	QUICK DRIVE, 5 mm per rotation	7,600	4,200
4157121	40 EWRI-L	25 – 50	0,001	QUICK DRIVE, 5 mm per rotation	8,700	4,700

Accessories for measuring instruments with Integrated Wireless						
4102220	i-Stick	Wireless receiver for measuring instruments with Integrated Wireless			2,250	1,200

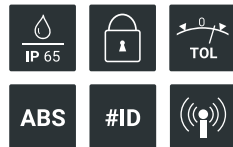
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Micromar 44 EWRI

Digital 3-point inside micrometer

New!

Mahrlights



28,500
Micromar 44 EWRI-SET

4191342



Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		NOK	NOK
4191340	44 EWRI	6 – 12	0,001 / .00005"	Measurement of through holes and blind holes	39,000	21,400
4191341	44 EWRI	12 – 20	0,001 / .00005"	Measurement of through holes and blind holes	33,500	18,300
4191342	44 EWRI	20 – 50	0,001 / .00005"	Measurement of through holes and blind holes	51,000	28,500
4191343	44 EWRI	50 – 100	0,001 / .00005"	Measurement of through holes and blind holes	61,700	33,900

Accessories for measuring instruments with Integrated Wireless						
4102220	i-Stick	Wireless receiver for measuring instruments with Integrated Wireless			2,250	1,200

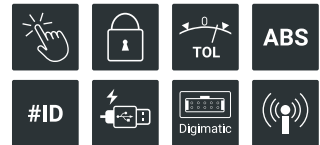
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Micromar 844 EWRI

Digital 3-point inside measuring device

New!

Mahrlights



29,400
Micromar 844 EWR-SET

4192342



Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		NOK	NOK
4192340	844 EWRI	6 – 12	0,001 / .00005"	Measurement of through holes and blind holes by lever release	37,000	19,900
4192341	844 EWRI	12 – 20	0,001 / .00005"	Measurement of through holes and blind holes by lever release	38,000	20,900
4192342	844 EWRI	20 – 50	0,001 / .00005"	Measurement of through holes and blind holes by lever release	54,000	29,400
4192343	844 EWRI	50 – 100	0,001 / .00005"	Measurement of through holes and blind holes by lever release	61,500	34,900

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Millimes 2000 Wi / 2001 Wi

Digital comparators with touch control

7,500
Millimes 2000 Wi



4346701



4346801



8,500
Millimes 2001 Wi

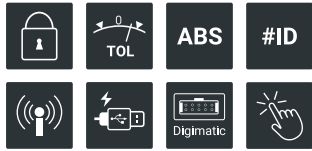
Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
4346701	2000 Wi	mm ± 1	mm 0,0001	Highest sensitivity and accuracy, for static measuring tasks	NOK 13,800	NOK 7,500
4346801	2001 Wi	mm ± 1	mm 0,0001	Highest sensitivity and accuracy, for static and dynamic measuring tasks	NOK 15,500	NOK 8,500

Accessories for measuring instruments with Integrated Wireless						
4102220	i-Stick	Wireless receiver for measuring instruments with Integrated Wireless			NOK 2,250	NOK 1,200

MarCator 1086 Ri / 1087 Ri

Digital dial indicators with touch operation

New!



5,200
MarCator 1086 Ri



5,800
MarCator 1087 Ri



Order no.	Product	Indicator range	Resolution	Details	List price	Offer price
4337720	1086 Ri	12,5 mm	0,0005, 0,001, 0,002, 0,005, 0,01 mm	for static measurements such as lengths, distances and length differences	8,800	5,200
4337721	1086 Ri	25 mm	0,0005, 0,001, 0,002, 0,005, 0,01 mm	for static measurements such as lengths, distances and length differences	9,900	5,850
4337820	1087 Ri	12,5 mm	0,0005, 0,001, 0,002, 0,005, 0,01 mm	for static measurements such as lengths, distances and length differences, dynamic measurements such as radial run-out, straightness and flatness using MAX / MIN / MAX-MIN functions	9,700	5,800
4337821	1087 Ri	25 mm	0,0005, 0,001, 0,002, 0,005, 0,01 mm	for static measurements such as lengths, distances and length differences, dynamic measurements such as radial run-out, straightness and flatness using MAX / MIN / MAX-MIN functions	11,000	6,600

Accessories for measuring instruments with Integrated Wireless						
4102220	i-Stick	Wireless receiver for measuring instruments with Integrated Wireless			2,250	1,200

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MarCator 1086 Ri-HR / 1087 Ri-HR

Digital dial indicators with touch operation



6,700
MarCator 1086 Ri-HR

4337770



4337850



7,600
MarCator 1087 Ri-HR

Order no.	Product	Indicator range	Resolution	Details	List price	Offer price
4337770	1086 Ri-HR	mm 12,5	mm 0,0001, 0,0005, 0,001, 0,002, 0,005, 0,01	Dial indicator with lowest possible error limit and finest resolution, extensive measuring functions for static measurements	NOK 11,300	NOK 6,700
4337850	1087 Ri-HR	mm 12,5	mm 0,0001, 0,0005, 0,001, 0,002, 0,005, 0,01	Dial indicator with lowest possible error limit and finest resolution, extensive measuring functions for static and dynamic measurements	NOK 12,800	NOK 7,600

Accessories for measuring instruments with Integrated Wireless						
4102220	i-Stick	Wireless receiver for measuring instruments with Integrated Wireless			NOK 2,250	NOK 1,200

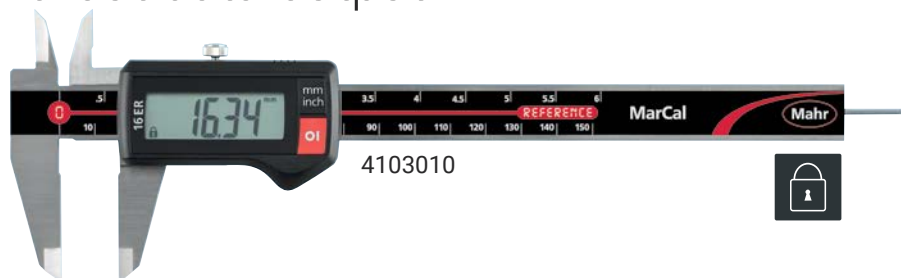
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MarCal 16 ER / 16 EWR

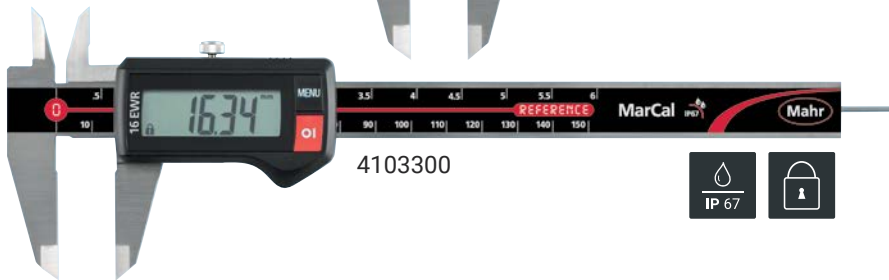
Digital calipers without data output

1,200

MarCal 16 ER



4103010



4103300



1,690

MarCal 16 EWR

Order no.	Product	Measuring range	Resolution	Depth rod	Details	List price	Offer price
		mm	mm			NOK	NOK
4103010	16 ER	0 – 150	0,01	round	Lapped guideway	1,850	1,200
4103012	16 ER	0 – 150	0,01	square	Lapped guideway	1,850	1,200
4103205	16 ER	0 – 200	0,01	square	Lapped guideway	3,530	1,875
4103300KAL	16 EWR	0 – 150	0,01	round	Protection class IP 67	2,500	1,690
4103302KAL	16 EWR	0 – 150	0,01	square	Protection class IP 67	2,500	1,690
4103304KAL	16 EWR	0 – 200	0,01	square	Protection class IP 67	3,530	2,490

MarCal 30 EWR

Digital depth gages



4126651



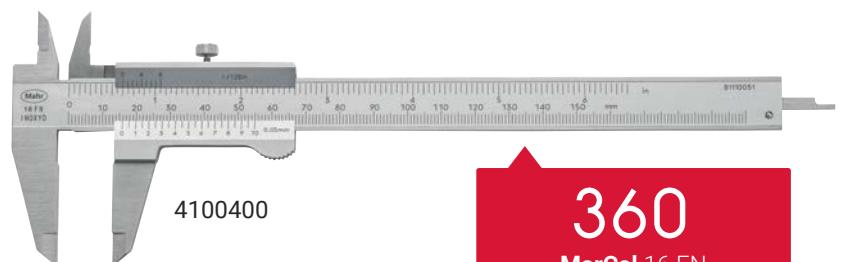
4,220

MarCal 30 EWR

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		NOK	NOK
4126651	30 EWR	0 – 150	0,01	Protection class IP67	7,900	4,220
4126652	30 EWR	0 – 200	0,01	Protection class IP67	7,980	4,930
4126653	30 EWR	0 – 300	0,01	Protection class IP67	9,600	5,580

MarCal 16 FN

Pocket calipers



4100400

360

MarCal 16 FN

Order no.	Product	Measuring range	Vernier value	Depth rod	List price	Offer price
		mm	mm/inch		NOK	NOK
4100400	16 FN	0 – 150	0,05/1/128"	square	670	360
4100401	16 FN	0 – 200	0,05/1/128"	square	1,750	960

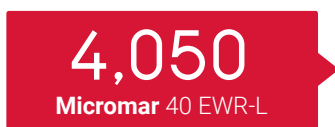
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Micromar 40 ER / 40 EWR / 40 EWR-L

Perfect for production and workshop environments



4157010



4157020

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		NOK	NOK
4157010	40 ER	0 – 25	0,001	Protection class IP40	3,500	1,990
4157011	40 EWR	0 – 25	0,001	Protection class IP65	4,300	2,500
4157012	40 EWR	25 – 50	0,001	Protection class IP65	5,900	3,260
4157020	40 EWR-L	0 – 25	0,001	IP65, data output, QUICK DRIVE, 5 mm per rotation	7,400	4,050
4157021	40 EWR-L	25 – 50	0,001	IP65, data output, QUICK DRIVE, 5 mm per rotation	8,500	4,600

Micromar 40 A / 40 SA / 40 AS

Basics for production and workshop

Mahrlights

Outside micrometers with hard lacquered steel frame



4134000

640
Micromar 40 A



4134050

3,800
Micromar 40 SA/SET

3-point inside micrometers suited for blind bores (from 12 mm)



4190352

21,700
Micromar 44 AS/SET

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
					NOK	NOK
4134000	40 A	0 – 25	0,01	Glare-free matt chrome-plated display parts	1,200	640
4134001	40 A	25 – 50	0,01	Glare-free matt chrome-plated display parts	1,900	990
4134050	40 SA/SET	0 – 100	0,01	Set of 4 micrometers	6,050	3,800
4190350	44 AS/SET	6 – 12	0,001	incl. setting rings 8 mm, 10 mm	22,950	12,500
4190351	44 AS/SET	12 – 20	0,001	incl. setting ring 16 mm	17,500	9,600
4190352	44 AS/SET	20 – 50	0,005	incl. setting rings 25 mm, 40 mm	39,800	21,700
4190353	44 AS/SET	50 – 100	0,005	incl. setting rings 60 mm, 85 mm	47,300	27,500

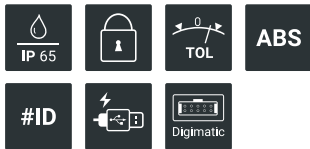
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Micromar 44 EWR

Digital 3-point inside micrometer

New!

Mahrlights



27,600
Micromar 44 EWR-SET

4191242

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		NOK	NOK
4191240	44 EWR	6 – 12	0,001 / .00005"	Measurement of through holes and blind holes	37,600	20,600
4191241	44 EWR	12 – 20	0,001 / .00005"	Measurement of through holes and blind holes	32,000	17,500
4191242	44 EWR	20 – 50	0,001 / .00005"	Measurement of through holes and blind holes	49,900	27,600
4191243	44 EWR	50 – 100	0,001 / .00005"	Measurement of through holes and blind holes	59,900	33,000

Micromar 844 EWR

Digital 3-point inside measuring device

New!

Mahrlights



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4192242

28,650
Micromar 844 EWR-SET

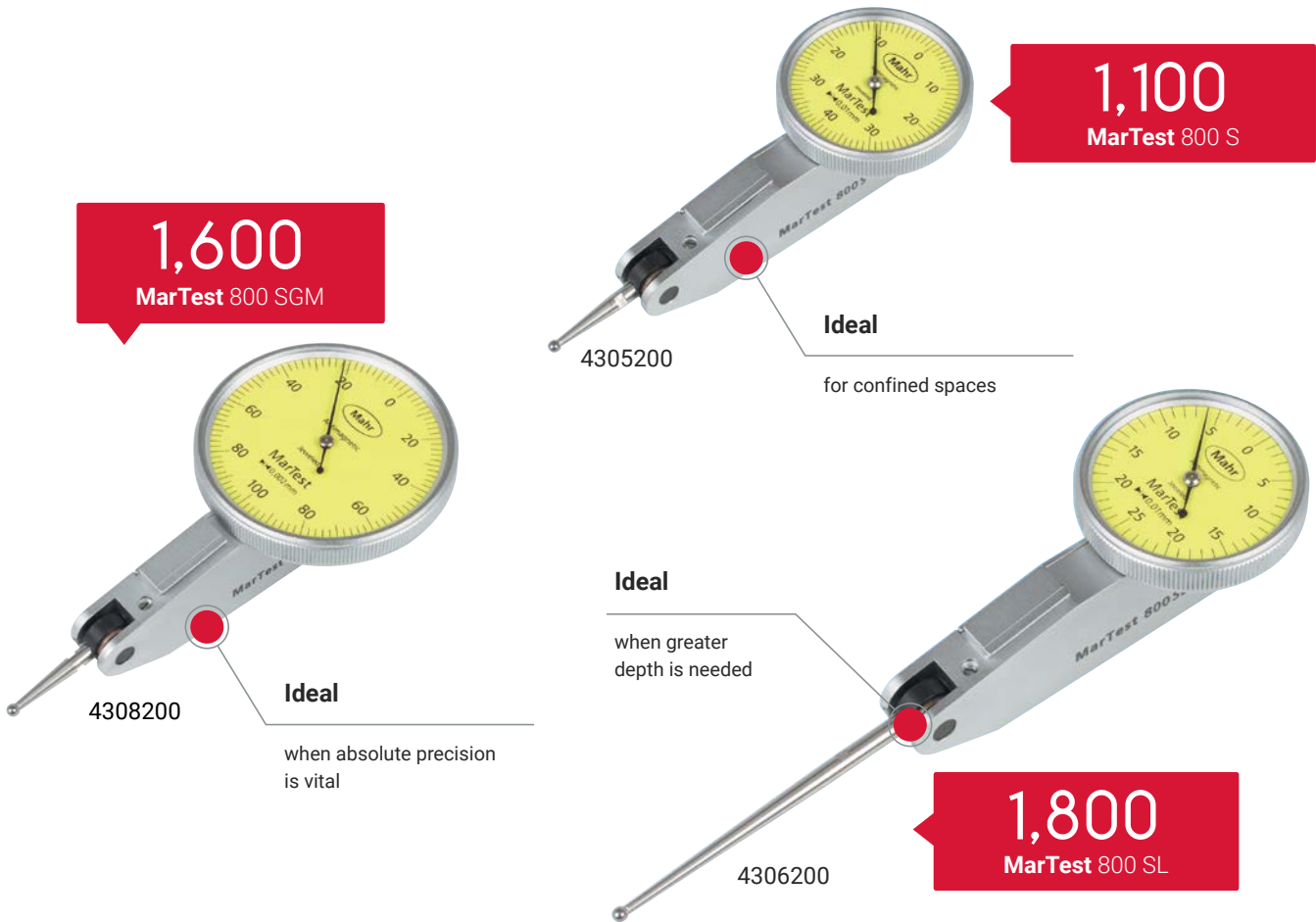


Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		NOK	NOK
4192240	844 EWR	6 – 12	0,001 / .00005"	Measurement of through holes and blind holes by lever release	35,600	19,500
4192241	844 EWR	12 – 20	0,001 / .00005"	Measurement of through holes and blind holes by lever release	36,700	19,900
4192242	844 EWR	20 – 50	0,001 / .00005"	Measurement of through holes and blind holes by lever release	52,400	28,650
4192243	844 EWR	50 – 100	0,001 / .00005"	Measurement of through holes and blind holes by lever release	61,400	34,200

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MarTest 800 S / 800 SG / 800 SGM / 800 SL / 810 A

Highly sensitive measuring



MarCator | Dial indicator

MarCator 810 A



4311050

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		NOK	NOK
4305200	800 S	± 0,4	0,01	Dial ø 28 mm, measuring insert length 14.5 mm	1,750	1,100
4307200	800 SG	± 0,4	0,01	Dial ø 38 mm, measuring insert length 14.5 mm	1,750	1,120
4308200	800 SGM	± 0,1	0,002	Dial ø 38 mm, measuring insert length 14.5 mm	2,500	1,600
4306200	800 SL	± 0,25	0,01	Dial ø 28 mm, measuring insert length 41.24 mm	2,900	1,800
4311050	810 A	10	0,01	High-contrast dial face	880	560

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MarCator 1075 R / 1086 R / 1087 R

Digital dial indicators

Mahrlights



4336010



1,750
MarCator 1075 R



4337780



4337701

3,400
MarCator 1086 R



4337801



4337800



4,990
MarCator 1087 R

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		NOK	NOK
4336010	1075 R	12,5	0,01	Basic functions for static measuring tasks	3,080	1,750
4336020	1075 R	12,5	0,005	Basic functions for static measuring tasks	4,200	2,500
4336030	1075 R	12,5	0,001	Basic functions for static measuring tasks	6,300	3,600
4337780	1086 R	12,5	0,01	for static measurements such as lengths, distances and length differences	5,700	3,400
4337700	1086 R	12,5	0,0005, 0,001, 0,002, 0,005, 0,01	for static measurements such as lengths, distances and length differences	6,990	4,180
4337701	1086 R	25	0,0005, 0,001, 0,002, 0,005, 0,01	for static measurements such as lengths, distances and length differences	8,700	5,130
4337800	1087 R	12,5	0,0005, 0,001, 0,002, 0,005, 0,01	for static measurements such as lengths, distances and length differences, dynamic measurements such as radial run-out, straightness and flatness using MAX / MIN / MAX-MIN functions	8,400	4,990
4337801	1087 R	25	0,0005, 0,001, 0,002, 0,005, 0,01	for static measurements such as lengths, distances and length differences, dynamic measurements such as radial run-out, straightness and flatness using MAX / MIN / MAX-MIN functions	9,700	5,800

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Millimes 1002 / 1003 / 1003 XL / 2000 W / 2001 W

Everything reliably under control

Mahrlights

2,400
Millimes 1003



4334000



4346700

6,990
Millimes 2000 W



4346800

7,990
Millimes 2001 W

Order no.	Product	Measuring range		Display resolution	Details	List price	Offer price
		mm	µm	mm	µm	NOK	NOK
4335000	1002		± 25		0,5	7,900	4,300
4334000	1003		± 50		1	4,400	2,400
4334001	1003 XL		± 130		2	4,400	2,400
4346700	2000 W	± 1		switchable 0,0001 ... 0,01 mm/ .000005"0005"		12,950	6,990
4346800	2001 W	± 1		switchable 0,0001 ... 0,01 mm/ .000005"0005"		14,700	7,990

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Millimar C 1200 / P 2004

Smart and universal application

Mahrlights



5312012

11,500

Millimar C 1200 M

Compatability:
M = Mahr



3,250

Millimar P 2004 M

5323010

Order no.	Product	Numerical display	Resolution	Details	List price	Offer price
		µm	µm		NOK	NOK
5312012	Millimar C 1200 M	± 5000	0,1	High-resolution, high-contrast TFT color display	22,500	11,500
5312011	Millimar C 1200 T	± 5000	0,1	High-resolution, high-contrast TFT color display	22,500	11,500

Order no.	Product	Measuring range	Measuring force	Details	List price	Offer price
		mm	N		NOK	NOK
5323010	P 2004 M	± 2	0,75	Inductive probe	6,400	3,250
5323011	P 2004 T	± 2	0,75	Inductive probe	6,400	3,250

Millimar C 1202 / N 1702

Flexible evaluation and display anywhere



5312025

9,900

Millimar C 1202



5331120

4,330

Millimar N 1702 M

9,230

Millimar N 1702 M-HR

5331125



Order no.	Product	Numerical display	Resolution	Details	List price	Offer price
		µm	µm		NOK	NOK
5312025	Millimar C 1202	± 999 999,9	0,01, 0,1, 1	High-resolution, high-contrast TFT color display	22,400	9,900

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	µm		NOK	NOK
5331120	Millimar N 1702 M	± 2	0,1	Module for 2 inductive probes, Resolution 0.1 µm	9,800	4,330
5331125	Millimar N 1702 M-HR	± 0,2	0,01	Module for 2 inductive probes, Resolution 0.01 µm	18,700	9,230

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Digimar 814 SR

Ideal for the workshop, robust and universally applicable

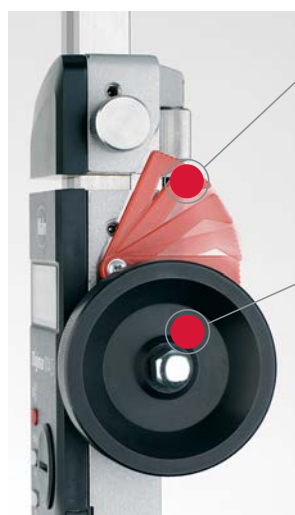
Digimar 814 SR height measuring and scribing instrument

- Exact positioning by handwheel

8,100
Digimar 814 SR



4426100



Clamping lever

for quickly securing the slide unit

Handwheel

for easy positioning and measuring

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		NOK	NOK
4426100	814 SR	0 – 350	0,01	Digit height 12 mm, handwheel for positioning and measuring	13,720	8,100
4426101	814 SR	0 – 600	0,01	Digit height 12 mm, handwheel for positioning and measuring	23,700	13,100
4426104	814 SR	0 – 980	0,01	Digit height 12 mm, handwheel for positioning and measuring	30,800	17,100

Digimar 816 CLT / 817 CLT

Reaching great heights with maximum precision and flexibility

Mahrlights

66,000
Digimar 816 CLT



73,000
Digimar 817 CLT



Order no.	Product	Measuring range	Resolution	Error limit	Repeatability (level)	Details	List price	Offer price
		mm	mm	µm	µm		NOK	NOK
4429630	816 CLT	0 - 350		(2,0 + L/400) L	1	1D, large function keys	110,000	66,000
4429631	816 CLT	0 - 600		(2,0 + L/400) L			119,000	72,000
4429700	817 CLT	0 - 350	0,01 - 0,0001	(1,8 + L/600) L	0,5	2D, thumbwheel with quick measurement keys, integrated ISO tolerance chart	123,000	73,000
4429701	817 CLT	0 - 600		(1,8 + L/600) L			135,000	79,000
4429702	817 CLT	0 - 1000		(1,8 + L/600) L			199,000	120,000

You can find detailed information about the products at <https://metrology.mahr.com/en-int/>
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Digimar 817 CLT



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. Simply 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 the perpendicularity and straightness using the new Millimes 2000/2001W dial comparators.



Simple touch measurement

Intuitive operation via large, clearly defined keys to ensure the safe completion on measurements, setting and calculation of functions, and the 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.



4429701

MarSurf PS 10

Surface roughness measurement made easy

Including new surface standard
DIN EN ISO 21920

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 cellphone. Due to its minimal size, it is also perfect for location-independent measurements – vertical, horizontal and even overhead if necessary. And thanks 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).

500 g
lightweight

- 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
- Error-free operation thanks to an integrated, removable roughness standard
- Automatic cutoff selection, ensuring that even non-specialists get the correct measuring results
- PHT Probe easy to clean

9

other optional
probes

Always at hand

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



Extremely easy to operate with detailed profile display

The large 4.3" high-resolution and backlit TFT 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"
TFT touch display
similar to a smartphone

at least
1.200
measurements
without power supply

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.

6910230

25,000
MarSurf PS 10

Order no.	Product	Measuring range	Probe	Details	List price	Offer price
6910230	PS 10	µm 350	Skidded probe system	Storage capacity for min. 3900 profiles, min. 500,000 results, min. 1500 PDF protocols, expandable with microSD card up to 32 GB	NOK 36,000	NOK 25,000

MarSurf M 310

Brings added value for mobile roughness measurement

Including new surface standard
DIN EN ISO 21920

Are you used to using your smartphone to access your data anytime, wherever you are? That is exactly what Mahr's MarSurf M 310 provides you with: 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 and it is often users with little prior knowledge performing the quality control.

For all those who need more

The **MarSurf M 310** has the same functions as the PS 10 but has even more crucial added benefits for you:

- Print directly, document easily**
Measuring results in paper form? Sometimes still the fastest way! The mobile printer allows you to save data on thermal paper, which can then be added directly to the workpiece.
- Preprogrammed measuring functions for immediate measuring success**
A variety of measuring parameters can be defined, saved and then called up on the workpiece in the device settings. Additionally, it works using a barcode scanner, which simply connects to the MarSurf M 310. This allows even workers without expert knowledge or training to determine reliable roughness parameters.
- Robot ready: Integrate instrument directly in the production line**
The MarSurf M 310 and its interfaces can be directly integrated into your production lines, such as for measuring tasks on the robot arm. They control the measuring instrument remotely – conveniently from your computer, for example.

Status at a glance

Instrument status at a glance thanks 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.

Robust in every respect

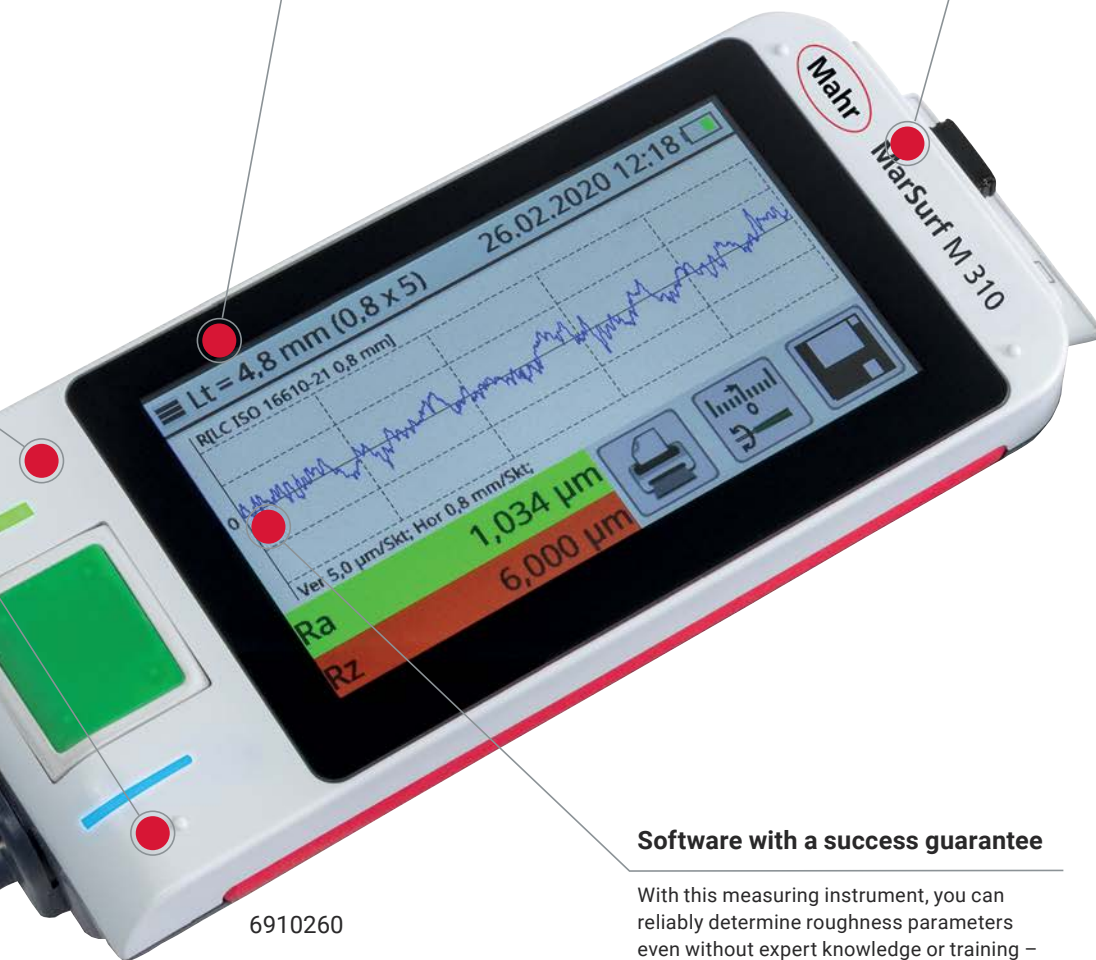
Equipped for virtually any environment: The robust skidded probe system means that the measuring instrument is less sensitive to vibrations. The PHT probe is easy to clean due to its open skid.

Modern optics, perfect display

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

IATF compliant

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



6910260

Software with a success guarantee

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.



34,000
MarSurf M 310 SET

Order no.	Product	Measuring range	Probe	Details	List price	Offer price
6910260	MarSurf M 310 SET	µm 350	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	NOK 51,400	NOK 34,000
6910267	MarSurf M 310 SET with printer	350	Skidded probe system 2 µm probe tip	Additionally with Star Micronics SM-L200 USB/Bluetooth® printer and docking station for direct printout of profiles, ADC and MRC diagram and measurement results	55,600	39,000

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MarSurf M 410

Simple, innovative, flexible –
modern surface metrology
to be used by hand

Including new surface standard
DIN EN ISO 21920

Mobile recording and evaluation of measuring data has never been this easy. The MarSurf M 410 is convenient and flexible to use – just like a modern smartphone. It has a practical touch display, an integrated PDF memory, innovative accessories, and wireless data transfer – all of which effectively simplify your workload.

Benefit from functions that only Mahr can offer you. In addition to the practical and efficient design and the flexibility this offers, the MarSurf M 410 also has an automatic filter setting by detecting the surface structure. This automatic contacting also guarantees the unmatched reliability of your measurements. The magnetic 3-point holder for the probe arm and the freely combinable accessories offer additional 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.



Advantages

- Increased efficiency thanks to large integrated memory: More than 500,000 measuring programs and 1,500 PDF reports, can be expanded by 32 GB (microSD)
- Skidless probes ensure that the roughness and waviness can be measured without an additional measuring station being required – determination of parameters R, W and P.
- Safe measuring results thanks to automated cutoff option
- Automatic zeroing ensures process and material safety
- IATF ready – simply activate/deactivate in the menu by automatically transferring the item and serial number of the measuring instrument
- Free MarCom software to transfer data



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 simply be released by the magnetic holder.

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 just like a smartphone so that no training or introduction to the operating functions is required – you can just get started.

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.

Wireless data transmission

Connect your measuring device wirelessly to a PC, for example, and transfer your data to Microsoft Excel or other evaluation software.



6910290

Importing information using a scanner

Simply 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.



86,000

MarSurf M 410 SET

Order no.	Product	Measuring range µm	Probe	Details	List price NOK	Offer price NOK
6910290	MarSurf M 410 Set	500 µm (±250 µm)	with probe arm length 45 mm to 1500 µm (±750 µm) with probe arm length 135 mm	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)	154,000	86,000
6910291	MarSurf M 410 Set (incl. printer)	500 µm (±250 µm)	with probe arm length 45 mm to 1500 µm (±750 µm) with probe arm length 135 mm	Additionally with Star Micronics SM-L200 USB/Bluetooth® printer and docking station for direct printout of profiles, ADC and MRC diagram and measurement results	156,000	89,000

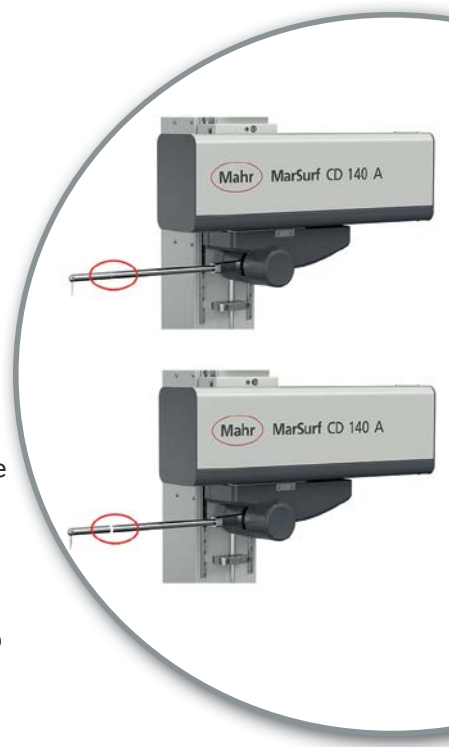
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MarSurf CD 140 AG 11

Versatile with intelligent probe system

Mahr has launched a new contour measuring machine on the market – the MarSurf CD 140 AG 11. Its probe system has a measuring range of up to 70 mm and the stylus tips can be replaced quickly and without any tools – without having to recalibrate the system.

The new contour measuring machine MarSurf CD 140 AG 11 enables the user to complete fast and precise measurements. Its flexible workpiece holder makes it particularly easy to handle, while users also benefit from its extreme versatility – it can also be used to measure roughness. The intelligent probe system and magnetic stylus tip holder ensure the process to replace stylus tips without any tools is the most straightforward process to date. Operators can also choose from a comprehensive range of clamps and workpiece holders. The new MarSurf CD 140 AG 11 can be used in a static position or directly at the location of the workpiece.



Advantages

- Comprehensive contour measurement functions – fast and simple
- Quick adjustment of the Z-axis with handles that are simple to operate
- Replacement of the stylus tip without any tools
- Travel speed in the X-axis of up to 200 mm/s
- Simple program creation or single measurement using MarWin
- Automatic evaluation, best adjustment of contours, CAD contour comparison, and a lot more
- Flexible support plate with 50 mm bore grid for KMG workpiece holder, amongst others
- Optionally expandable with option of roughness measurements ($R_z > 2 \mu\text{m}$)
- Measurement with double stylus



Plug-in guide stops and a wide range of standardized clamping devices as well as workpiece holders enable flexible positioning of your testpiece.

Unique probe system

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

Manual quick adjustment

The fine adjustment is located in the Z-axis and moves the X-axis up and down.

X-axis with maximum measuring range

The high-speed X-axis is designed for a large measuring range of 140 mm.

Support plate also for large components

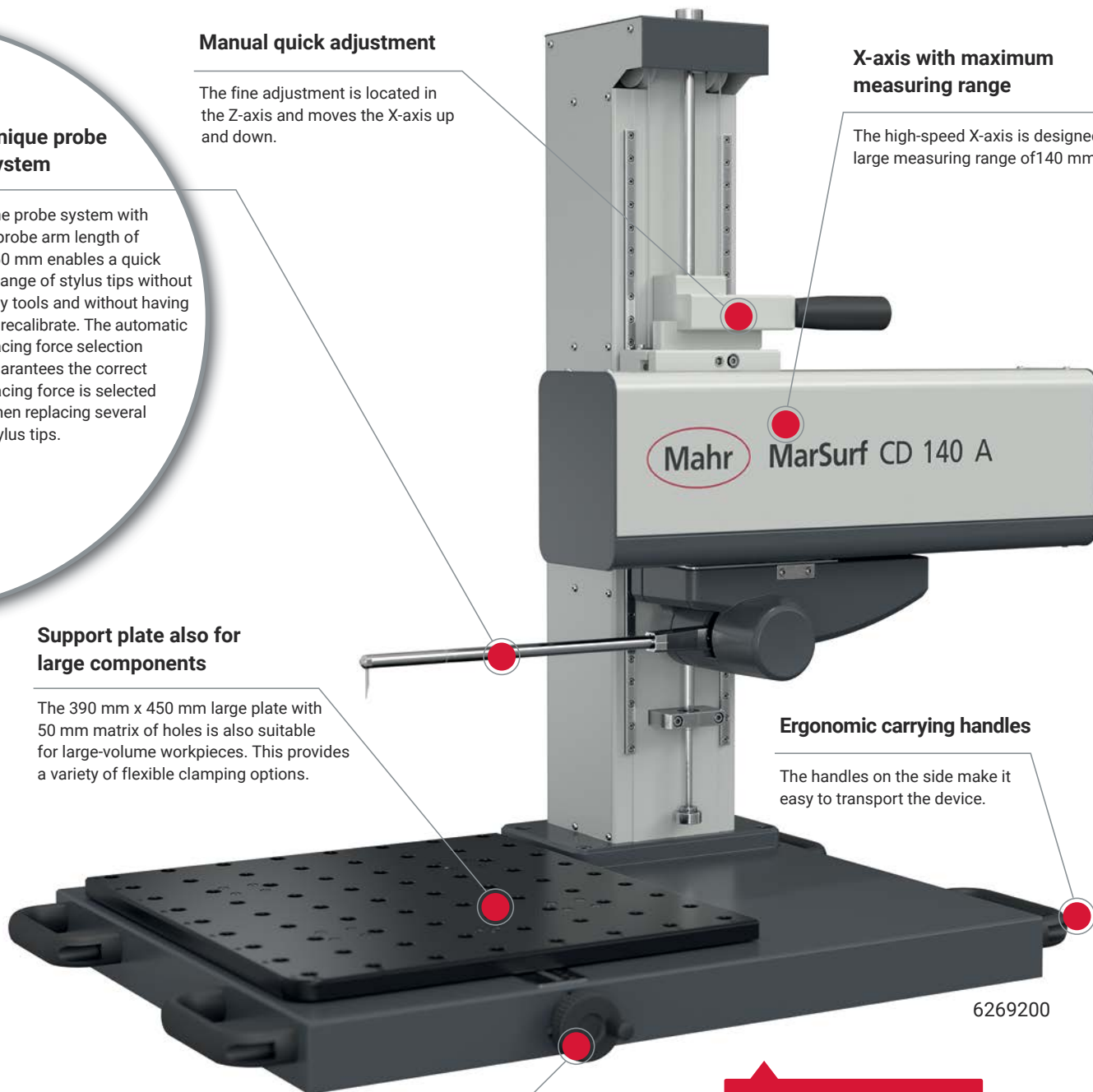
The 390 mm x 450 mm large plate with 50 mm matrix of holes is also suitable for large-volume workpieces. This provides a variety of flexible clamping options.

Ergonomic carrying handles

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

Generous traverse path

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



6269200

220,000

MarSurf CD 140 AG 11

Order no.	Product	Measuring range	Probe	Details	Offer price
6269200	MarSurf CD 140 AG 11	70 mm	with probe arm length 350 mm	Measuring force 4 mN to 30 mN, adjustable via software, measuring speed 0.1 mm/s to 10 mm/s, positioning speed X: 0.1 mm/s to 200 mm/s	NOK 220,000
6269202	MarSurf CD 140 AG 11 (incl. option Roughness)	70 mm	with probe arm length 350 mm	Measuring force 4 mN to 30 mN, adjustable via software, measuring speed 0.1 mm/s to 10 mm/s, positioning speed X: 0.1 mm/s to 200 mm/s	275,000

Compact all-rounder for surface metrology

We have added the new MarSurf SD 140 AG 11 to our portfolio of tactile surface measuring instruments: it can check both roughness and contour features – in just one measuring phase. 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 (100 mm probe arm) and 25 mm (250 mm 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 without having to recalibrate the new probe arm. The electronic probe arm detection and automatic measuring force selection provide even more reliability. These ensure that the correct contact/measuring force is always guaranteed when switching between several stylus tips.

Support plate with hole grid

Thanks to the special support plate, you can use a wide variety of workpiece holders and clamps flexibly and quickly.

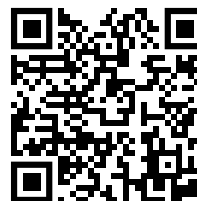
Y-axis manually adjustable

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



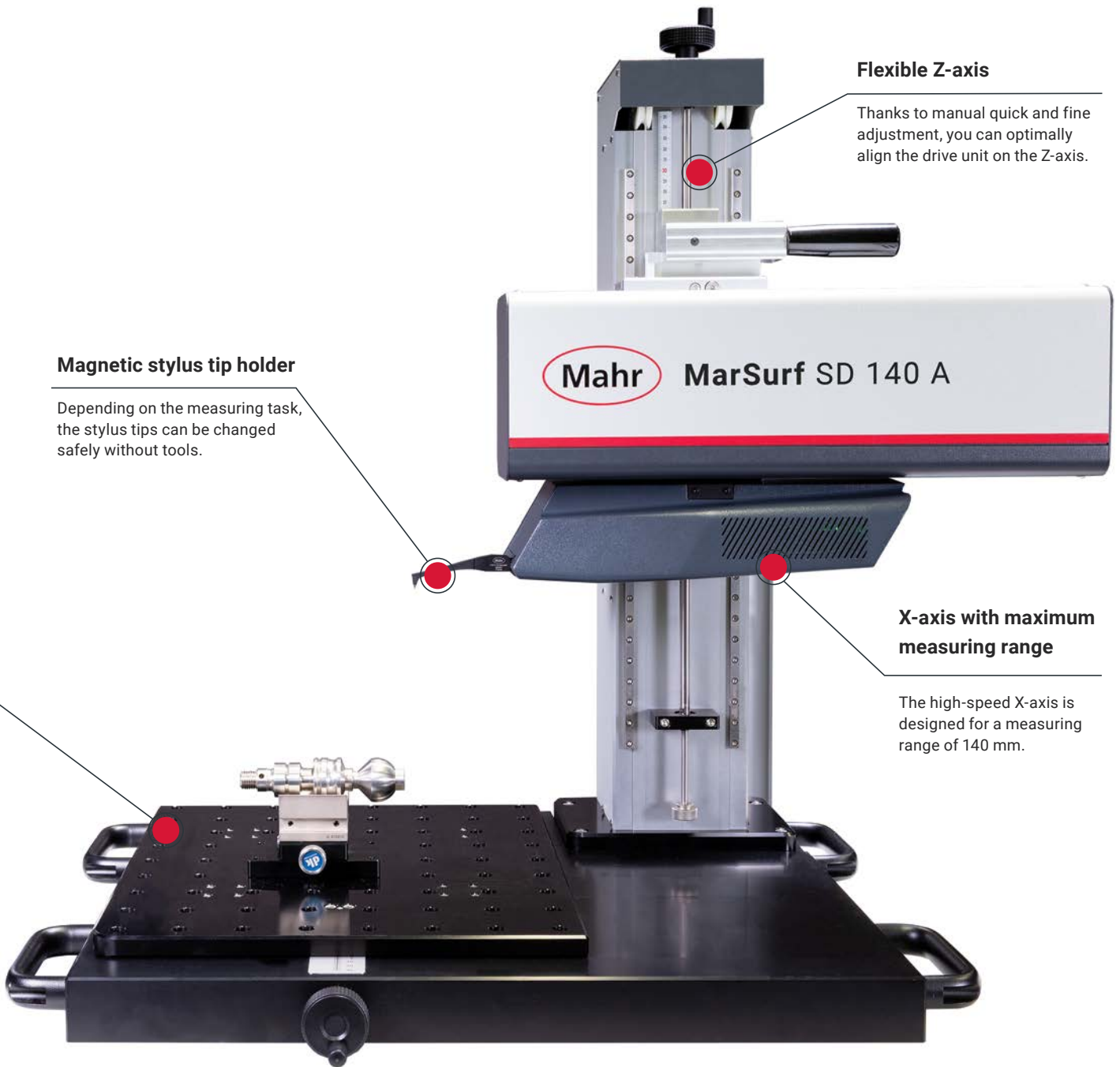
Advantages

- Measure roughness and contour in one go
- 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 stylus tips can be changed safely without tools.

X-axis with maximum measuring range

The high-speed X-axis is designed for a measuring range of 140 mm.

6269300

349,000
MarSurf SD 140 AG 11

Order no.	Product	Measuring range	Probe	Details	Offer price
6269300	MarSurf SD 140 AG 11	mm 10 in standard (25 with extended probe arm)	Roughness and contour probe system	including software, without calibration master, the positioning speed of 0.1 mm/s to 200 mm/s can be set via software	NOK 349,000

Mahr

Mahr GmbH
Carl-Mahr-Straße 1
37073 Göttingen
Germany

Phone: +49 551 7073-0
info@mahr.com
www.mahr.com

Available from:



Rødmyrsvingen 88
3735 SKIEN

Ordre epost: post@obve.no
Ordre telefon: 35 50 54 40

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