Mahr

Mahr | A passion for detail

Edition 2024

Autumn Sale

Mobile roughness measurement with the MarSurf M 310

- Intuitive and easy to operate like a smartphone

- Immediate measuring success thanks to program start via barcode scanner

- Uncomplicated digital connection to QM systems

Special offer price

OCT 10 - DEC 31, 2024

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.

3
Product groups

85
Products

MarCal 16 EWRi

Digital calipers

MarCator 1086 Ri

Digital indicators

Micromar 40 EWRi

Digital outside micrometers

MarCator 1086 Ri with stand
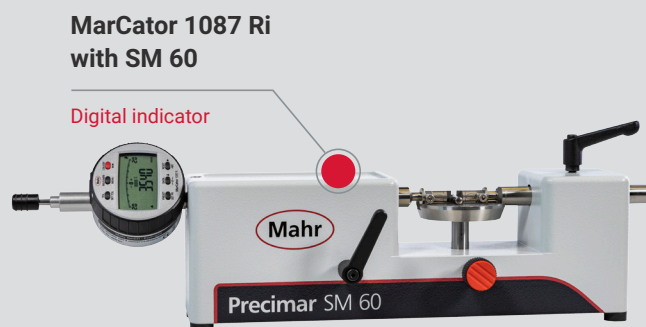
Digital indicators

MarCator 1086 Ri with 3-point pistol

Digital indicator

Millimess 2001 Wi

Digital comparator

MarCator 1087 Ri with SM 60

Digital indicator

Detailed information on the products can be found at https://metrology.mahr.com/en-int/
All illustrations and figures etc. are without guarantee. All prices quoted are non-binding recommended prices. The net prices in NOK plus VAT are valid from April 1, 2024 to May 31, 2024

MarCal 16 EWRi / 30 EWRi
Digital calipers with wireless interface

MarCal 16 EWRi

4103400

4112571

MarCal 18 EWRi

When things start to get bigger

MarCal 30 EWRi

4126671

MarCal 30 EWRi

4126751

Compact and handy

always within reach

Order no.	Product	Measuring range	Resolution	Depth rod	Details
		mm	mm		
4103400	16 EWRi	0 – 150	0.01	round	With measuring blades
4103402	16 EWRi	0 – 150	0.01	square	With measuring blades
4112571	18 EWRi	0 – 300	0.01		With measuring blades
4112572	18 EWRi	0 – 500	0.01		With measuring blades
4126671	30 EWRi	0 – 150	0.01		With measuring pin Ø 1,5 mm
4126672	30 EWRi	0 – 200	0.01		With measuring pin Ø 1,5 mm
4126673	30 EWRi	0 – 300	0.01		With measuring pin Ø 1,5 mm
4126751	30 EWRi	0 – 25	0.01		With measuring pin Ø 2 mm
Accessories for measuring instruments with Integrated Wireless					
4102220	i-Stick	Wireless receiver for measuring instruments with integrated wireless			

Detailed information on the products can be found at https://metrology.mahr.com/en-int/
All illustrations and figures etc. are without guarantee. All prices quoted are non-binding
recommended prices. The net prices in NOK plus VAT are valid from April 1, 2024 to May 31, 2024

Micromar 40 EWRi
Micrometers according to your wishes

Micromar 40 EWRi

4157100

Micromar 40 EWRi-L

4157120

Micromar 40 EWRi-V SET

40 EWRi-V Set 4157150

Order no.	Product	Measuring range	Resolution	Details
		mm	mm	
4157100	40 EWRi	0 – 25	0.001	Standard version
4157101	40 EWRi	25 – 50	0.001	Standard version
4157115	40 EWRi	0 – 100	0.001	Standard version. set with 4 micrometers
4157120	40 EWRi-L	0 – 25	0.001	QUICK DRIVE, 5 mm per rotation
4157121	40 EWRi-L	25 – 50	0.001	QUICK DRIVE, 5 mm per rotation
4157150	40 EWRi-V		0.001	Universal micrometer (QUICK DRIVE) incl. measuring anvils

Accessories for measuring instruments with Integrated Wireless		
4102220	i-Stick	Wireless receiver for measuring instruments with integrated wireless

Detailed information on the products can be found at https://metrology.mahr.com/en-int/
All illustrations and figures etc. are without guarantee. All prices quoted are non-binding
recommended prices. The net prices in NOK plus VAT are valid from April 1, 2024 to May 31, 2024

MarCator 1086 Ri / 1087 Ri
Practically suited to your measuring tasks

MarCator 1087 Ri

4337663

MarCator 1086 Ri

4337624

Millimess | Inductive dial comparators

Millimess 2000 Wi / 2001 Wi
see also page 14

Millimess 2000 Wi

4346701
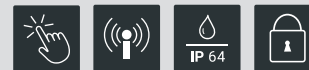
Millimess 2001 Wi

4346801

Order no.	Product	Measuring range	Resolution	Details
		mm	mm	
4337624	1086 Ri	12.5	0.0005	Practical functions for static measurement tasks
4337625	1086 Ri	25	0.0005	Practical functions for static measurement tasks
4337663	1087 Ri	12.5	0.0005	Practical functions for static and dynamic measurement tasks
4337665	1087 Ri	25	0.0005	Practical functions for static and dynamic measurement tasks
4346701	2000 Wi	± 1	0.0001	Highest sensitivity and accuracy, for static measuring tasks
4346801	2001 Wi	± 1	0.0001	Highest sensitivity and accuracy, for static and dynamic measuring tasks

Accessories for measuring instruments with Integrated Wireless		
4102220	i-Stick	Wireless receiver for measuring instruments with integrated wireless

MarCal 16 ER / 16 EWR
Digital calipers without data output

Best Price – Best Quality!

The standard

in the workshop

4103010

MarCal 16 ER

MarCal 16 EWR

4103300

The insenstive caliper

for production and workshop
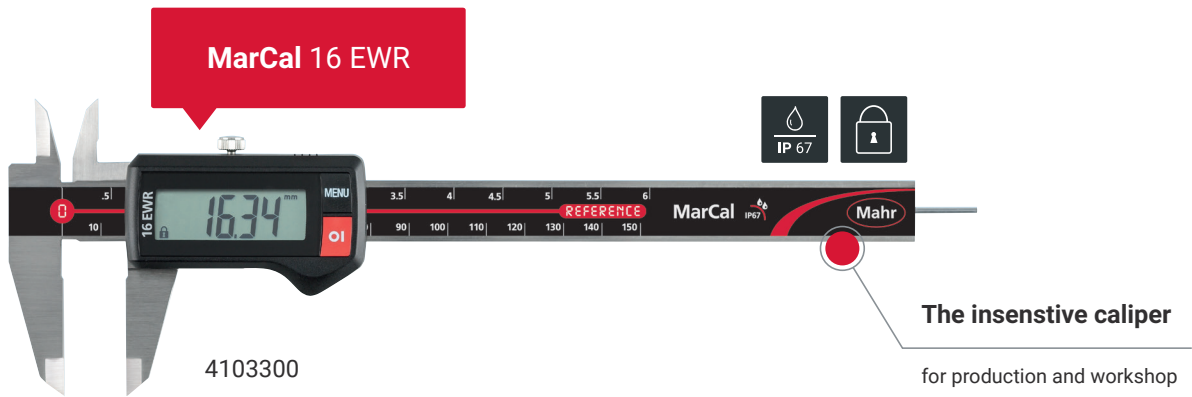
Order no.	Product	Measuring range	Resolution	Depth rod	Details
		mm	mm		
4103010	16 ER	0 – 150	0.01	round	Lapped guideway
4103012	16 ER	0 – 150	0.01	square	Lapped guideway
4103205	16 ER	0 – 200	0.01	square	Lapped guideway
4103300 KAL	16 EWR	0 – 150	0.01	round	Protection class IP 67
4103302 KAL	16 EWR	0 – 150	0.01	square	Protection class IP 67
4103304 KAL	16 EWR	0 – 200	0.01	square	Protection class IP 67

MarCal 30 EWR
Digital depth gages

MarCal 30 EWR

4126651

Order no.	Product	Measuring range	Resolution	Details
		mm	mm	
4126651	30 EWR	0 – 150	0.01	Protection class IP67
4126652	30 EWR	0 – 200	0.01	Protection class IP67
4126653	30 EWR	0 – 300	0.01	Protection class IP67

MarCal 16 FN
Pocket calipers

4100400

MarCal 16 FN

Order no.	Product	Measuring range	Vernier value	Depth rod
		mm	mm/inch	
4100400	16 FN	0 – 150	0.05/1/128"	square
4100401	16 FN	0 – 200	0.05/1/128"	square

Micromar 40 ER / 40 EWR
The insensitive ones for production and workshop

Micromar 40 ER

4157010

Micromar 40 EWR-L

4157020

Micromar 40 EWR-V

4157050

Order no.	Product	Measuring range	Resolution	Details
		mm	mm	
4157010	40 ER	0 − 25	0.001	Protection class IP40
4157011	40 EWR	0 − 25	0.001	Protection class IP65
4157012	40 EWR	25 − 50	0.001	Protection class IP65
4157020	40 EWR-L	0 − 25	0.001	IP65, data output, QUICK DRIVE, 5 mm per rotation
4157021	40 EWR-L	25 − 50	0.001	IP65, data output, QUICK DRIVE, 5 mm per rotation
4157050	40 EWR-V	0 − 25	0.001	IP65, data output, universal micrometer QUICK DRIVE in a set

Micromar 40 A / 40 SA / 40 AS
Basics for production and workshop

Outside micrometers with hard lacquered steel frame

4134000

Micromar 40 A

4134050

Micromar 40 SA/SET

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

Micromar 44 AS/SET

4190352

Order no.	Product	Measuring range	Resolution	Details
		mm	mm	
4134000	40 A	0 − 25	0.01	Glare-free matt chrome-plated display parts
4134001	40 A	25 − 50	0.01	Glare-free matt chrome-plated display parts
4134050	40 SA/SET	0 − 100	0.01	Set of 4 micrometers
4190350	44 AS/SET	6 − 12	0.001	incl. setting rings 8 mm, 10 mm
4190351	44 AS/SET	12 − 20	0.001	incl. setting ring 16 mm
4190352	44 AS/SET	20 − 50	0.005	incl. setting rings 25 mm, 40 mm
4190353	44 AS/SET	50 − 100	0.005	incl. setting rings 60 mm, 85 mm

Micromar 44 EWR / 844 AS

Digital 3-point internal measuring devices – precision is guaranteed

Micromar 44 EWR/SET

4191162

Measure holes

in one movement
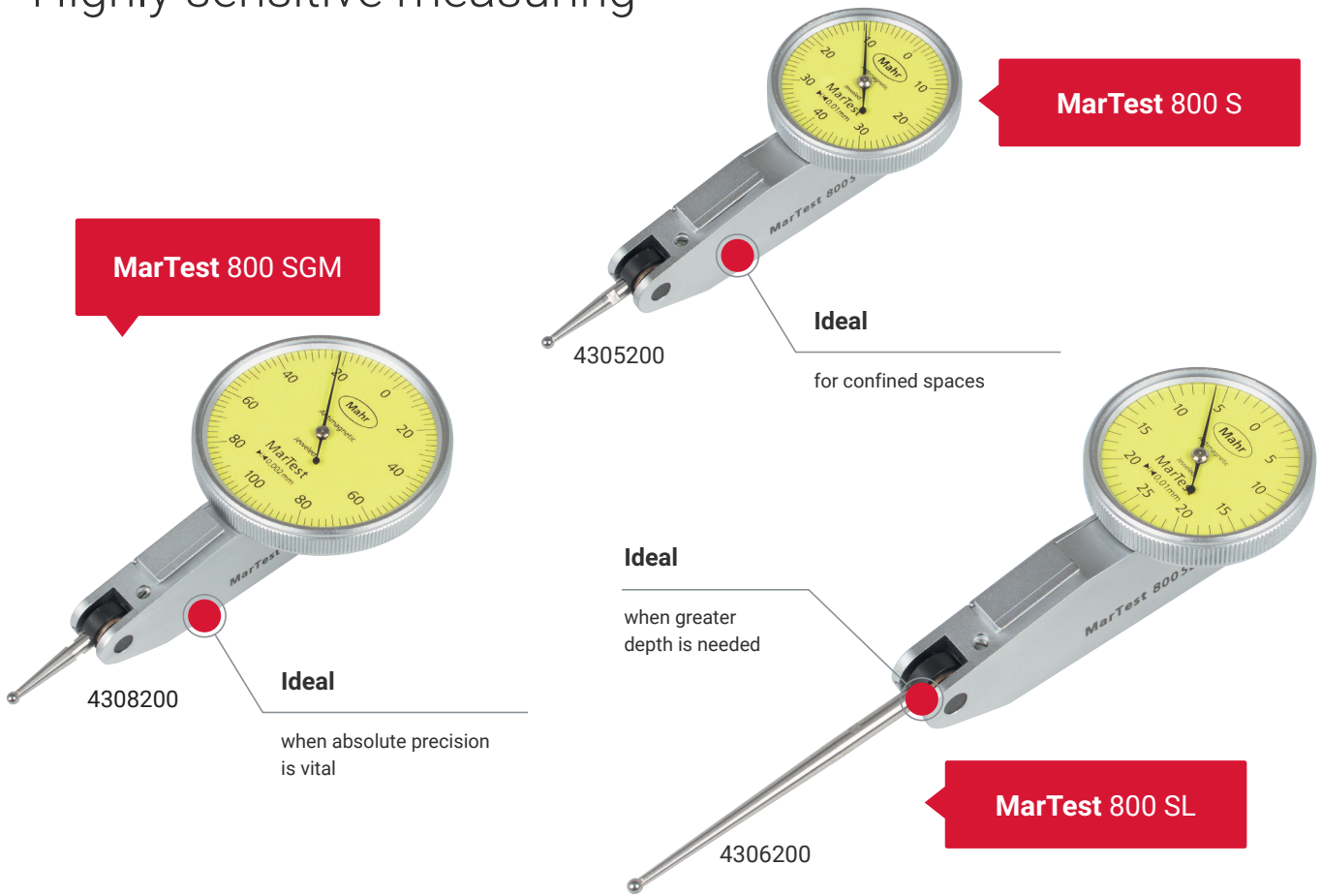

4487762

Micromar 844 AS/SET

Order no.	Product	Measuring range	Resolution	Details
		mm	mm	
4191160	44 EWR/SET	6 – 12	0.001	incl. setting rings 8 mm, 10 mm
4191161	44 EWR/SET	12 – 20	0.001	incl. setting ring 16 mm
4191162	44 EWR/SET	20 – 50	0.001	incl. setting rings 25 mm, 40 mm
4191163	44 EWR/SET	50 – 100	0.001	incl. setting rings 60 mm, 85 mm
4487760	844 AS/SET	6 - 12	0.0005	incl. digital indicator 1086 R and setting rings 8 mm, 10 mm
4487761	844 AS/SET	12 - 20	0.0005	incl. digital indicator 1086 R and setting rings 16 mm
4487762	844 AS/SET	20 - 50	0.0005	incl. digital indicator 1086 R and setting rings 25 mm, 40 mm
4487763	844 AS/SET	50 - 100	0.0005	incl. digital indicator 1086 R and setting rings 60 mm, 85 mm

Detailed information on the products can be found at https://metrology.mahr.com/en-int/
All illustrations and figures etc. are without guarantee. All prices quoted are non-binding
recommended prices. The net prices in NOK plus VAT are valid from April 1, 2024 to May 31, 2024

MarTest 800 S / 800 SG / 800 SM
Highly sensitive measuring

MarTest 800 S

4305200

Ideal

for confined spaces

MarTest 800 SGM

4308200

Ideal

when absolute precision
is vital

Ideal

when greater
depth is needed

MarTest 800 SL

4306200

MarCator | Dial indicator

MarCator 810 A

MarCator 810 A

4311050

Order no.	Product	Measuring range	Graduation value	Details
		mm	mm	
4305200	800 S	± 0.4	0.01	Dial ø 28 mm, measuring insert length 14.5 mm
4307200	800 SG	± 0.4	0.01	Dial ø 38 mm, measuring insert length 14.5 mm
4308150	800 SM	± 0.1	0.002	Dial ø 28 mm, measuring insert length 14.5 mm
4308200	800 SGM	± 0.1	0.002	Dial ø 38 mm, measuring insert length 14.5 mm
4306200	800 SL	± 0.25	0.01	Dial ø 28 mm, measuring insert length 41.24 mm
4311050	810 A	10	0.01	High-contrast dial face

Detailed information on the products can be found at https://metrology.mahr.com/en-int/
All illustrations and figures etc. are without guarantee. All prices quoted are non-binding
recommended prices. The net prices in NOK plus VAT are valid from April 1, 2024 to May 31, 2024

| 11

MarCator 1075 R / 1086 R / 1087 R
Practically suited to your measuring tasks

MarCator 1075 R

4336010

MarCator 1087 R

4337660

MarCator 1086 R

4337620

Detailed information on the products can be found at https://metrology.mahr.com/en-int/
All illustrations and figures etc. are without guarantee. All prices quoted are non-binding
recommended prices. The net prices in NOK plus VAT are valid from April 1, 2024 to May 31, 2024

MarCator 1086 R-HR / 1087 R-HR
Highest precision with a large measuring range

HR | Digimatic | RS232C

MarCator 1086 R-HR

4337697

HR | Digimatic | RS232C

MarCator 1087 R-HR

4337695

Order no.	Product	Measuring range	Resolution	Details
		mm	mm	
4336010	1075 R	12.5	0.01	Basic functions for static measuring tasks
4336020	1075 R	12.5	0.005	Basic functions for static measuring tasks
4336030	1075 R	12.5	0.001	Basic functions for static measuring tasks
4337130	1086 R	12.5	0.01	Practical functions for static measurement tasks
4337620	1086 R	12.5	0.0005	Practical functions for static measurement tasks
4337621	1086 R	25	0.0005	Practical functions for static measurement tasks
4337660	1087 R	12.5	0.0005	Practical functions for static and dynamic measurement tasks
4337661	1087 R	25	0.0005	Practical functions for static and dynamic measurement tasks
4337697	1086 R-HR	12.5	0.0001	High-resolution, practical functions for static measurement tasks
4337695	1087 R-HR	12.5	0.0001	High-resolution, practical functions for static and dynamic measurement tasks

Highest level of precision

MarCom

Can be configured and controlled remotely using MarCom Professional Software

Integrated Wireless
- Integrated Wireless interface
- Sending and receiving measuring data and various parameters

Lock individual keys and functions
Remote-controlled settings can be conFigureed easily using MarCom Professional Software

First digital comparator indicator with touch operation

Extensive advantages:
- Keys react even with the slightest touch
- This prevents a measuring device from being adjusted or deformed – **maximum measuring certainty**

Hardened glass front

- Scratch and impact-resistant surface
- Excellent protection against scratches and penetrating liquids
- Wear-free keys react to the slightest touch

High-precision ball-bearing guide

Maximum sensitivity of the measuring system, long service life, and high loading capacity

IP 64

Protection rating IP 64

Excellent protection against dust and splash water from all directions ensures optimum workshop compatibility at all times

Bidirectional data interface via USB
- Sending and receiving measuring data and various parameters
- Permanent power supply via data cable
- Possible to retrieve the device ID

#ID

Data interface via Digimatic
- To send measuring data

Digimatic

Mahr

TOL   MAX/MIN   OI

20 ((•))   – 0 +   20
0.00 I ▶I◀   mm
0.200 I
TOL

PRESET   DATA/HOLD   RESET ABS

Millimess 2001 W

TOL

Convenient tolerance functions

- Clear tolerance symbols
- Colorful LED signals (red, green, yellow) to classify the measuring values
  • No go/Go/warning limit
  • No go/Go/rework

High precision inductive measuring system

Lowest measuring deviations thanks to linearization

(µm)
1
0
6
4
2
-1,000   0   1,000
-2
-4
── With linearization
── Without lineariziation
-6
-8
-10
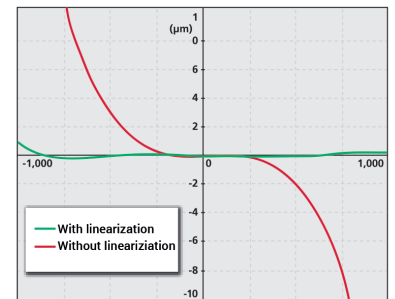
ABS system

Absolute measuring system
The reference to the electric zero point is not lost when the device is switched off

Millimess 1002 / 1003 / 1010 / 2000 W / 2001 W
Everything reliably under control

Millimess 1010

4332000

Millimess 1003

4334000

Millimess 2000 W

4346700

Millimess 2001 W

4346800

Order no.	Product	Measuring range		Display resolution		Details
		mm	µm	mm	µm	
4335000	1002		± 25		0,5	Precision ball bearing of measuring spindle
4334000	1003		± 50		1	Precision ball bearing of measuring spindle
4334001	1003 XL		± 130		2	Precision ball bearing of measuring spindle
4332000	1010		± 250		10	Precision ball bearing of measuring spindle
4346700	2000 W	± 1		switchable 0.0001 ... 0.01 mm/ .000005" ... .0005"		Inductive measuring system, practical functions for static measuring tasks
4346800	2001 W	± 1		switchable 0.0001 ... 0.01 mm/ .000005" ... .0005"		Inductive measuring system, practical functions for static and dynamic measuring tasks

Detailed information on the products can be found at https://metrology.mahr.com/en-int/
All illustrations and figures etc. are without guarantee. All prices quoted are non-binding recommended prices. The net prices in NOK plus VAT are valid from April 1, 2024 to May 31, 2024.

Millimar C 1202
Flexible evaluation and display anywhere

The Millimar C 1202 compact instrument is versatile and suitable for use with a variety of sensors.

The Millimar C 1202 represents the next generation of multichannel compact instruments for length metrology. Due to its sophisticated features such as the tilting easy-to-read display, clear menu navigation and flexible representation of measuring values, it offers maximum ergonomics and user-friendliness. Combine with an easy to change module from the N 1700 series to create just the right measuring instrument for your measuring task. Thanks to its wide range of functions, the Millimar C 1202 is extremely versatile. It can be used to tackle a multitude of measuring tasks, e.g. static and dynamic measurements as well as cone calculations. Moreover, depending on the module, measuring probes by other manufacturers may also be compatible, which will reduce your costs.

Tilting display

Measuring values can be read clearly and effortlessly from all viewing angles. The display also features a backlight.
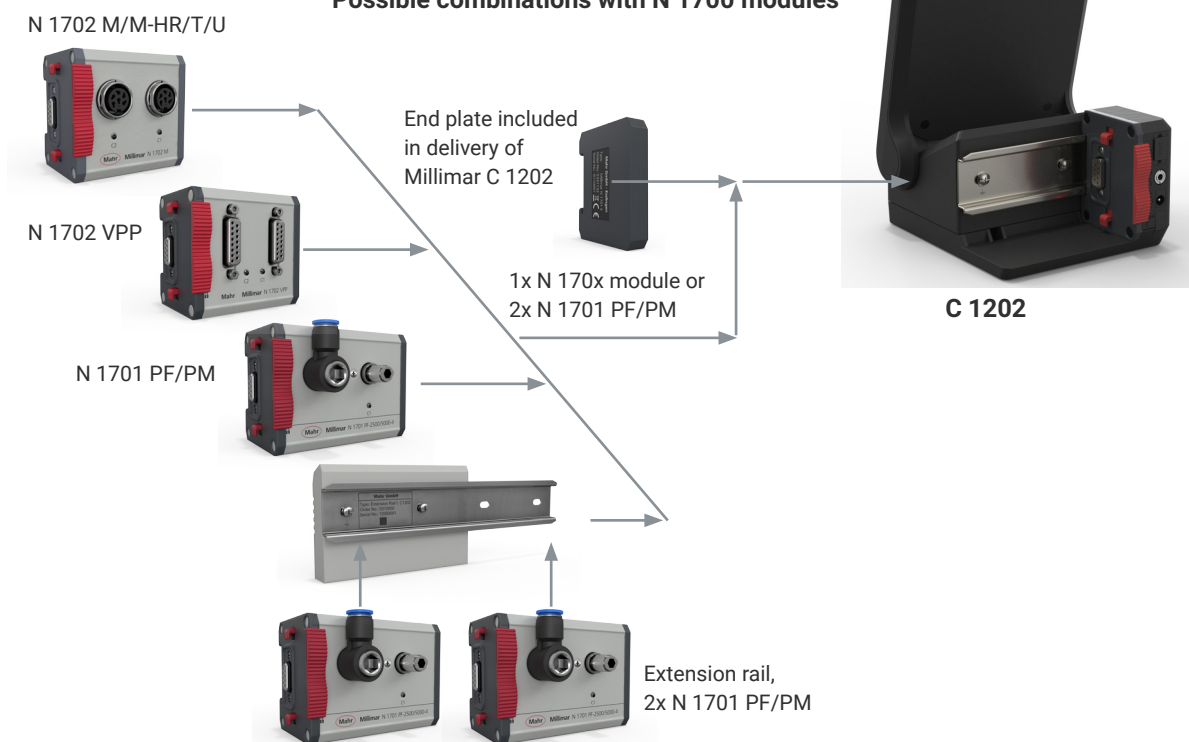
Sturdy plastic housing

As the Millimar C 1202 is impervious to external influences, it is ideal for use in production.

Interchangeable modules

The Millimar C 1202 can be easily converted to handle different measuring tasks.

Configuring C 1202

Possible combinations with N 1700 modules

N 1702 M/M-HR/T/U

N 1702 VPP

N 1701 PF/PM

End plate included in delivery of Millimar C 1202

1x N 170x module or 2x N 1701 PF/PM

C 1202

Extension rail, 2x N 1701 PF/PM

9

Different N 1700 modules
can be combined with Millimar C 1202

Interpret measuring results with ease

The high contrast color display provides a clear presentation of the measuring results.

Large keys

The Millimar C 1202 can also be reliably operated with gloves. Even dirt does not impede its function.

+

Advantages

- Three features can be displayed at the same time – for even more static and dynamic measuring tasks
- Two independent inputs via N 1700 module for the optional connection of measuring probes and pneumatic transducers
- Interchangeable modules for flexibility and compatibility
- Digimatic and USB ports for easy connection to data collection systems and evaluation software
- Programmable measuring sequences for greater productivity and reliability

Flexible setup options

Users can position the instrument on the table or fix it to the wall.

Millimar C 1200 / 1318 / P 2004
Smart and universal application

Millimar C 1200 M

5312012

Millimar 1318

5313180

Millimar P 2004 M

5323010

Compatibility:
M = Mahr

Order no.	Product	Numerical display	Resolution	Details
		µm	µm	
5312012	Millimar C 1200 M	± 5000	0.1	High-resolution, high-contrast TFT color display

Order no.	Product	Measuring range	Measuring force	Details
		mm	N	
5323010	P 2004 M	± 2	0.75	Inductive probe
5313180	1318	- 0.3 . . . 1	0.25 +/-0.05	Dial test indicator inductive probe

Millimar C 1202 / N 1702 / P 2004 / P 1512 / P 1530
Flexible evaluation and display anywhere

Millimar C 1202

5312025

Millimar P 1512 V

5315081

Millimar N 1702 M

5331120

Millimar N 1702 VPP

5331161

Millimar N 1702 M-HR

5331125

Order no.	Product	Numerical display	Resolution	Details
		µm	µm	
5312025	Millimar C 1202	± 999 999.9	0.01, 0.1, 1	High-resolution, high-contrast TFT color display

Order no.	Product	Measuring range	Measuring force	Details
		mm	N	
5331120	Millimar N 1702 M	± 2		Module for 2 inductive probes, Resolution 0.1 µm
5331125	Millimar N 1702 M-HR	± 0.2		Module for 2 inductive probes, Resolution 0.1 µm
5323010	P 2004 M	± 2	0.75	Inductive probe
5313180	1318	- 0.3 . . . 1	0.25 +/-0,05	Inductive lever probe
5331161	Millimar N 1702 VPP			Module for incremental sensors
5315081	P 1512 V	12	0.6 − 1.2	Incremental probe
5315311	P 1530 V	30	0.4 − 1	Incremental probe

Digimar 817 CLT
Reaching great heights with maximum precision and flexibility

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 an available Bluetooth printer. Simply choose between complete measuring records in PDF format or save your measuring records as a TXT file.

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.

Interfaces for dial indicators

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

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.

4429600

Order no.	Product	Measuring range	Resolution	Details
		mm	mm	
4429600	817 CLT	0 – 350	0.01, 0.005, 0.001, 0.0005, 0.0001	Error limit (1.8 + L/600) L in mm
4429601	817 CLT	0 – 600	0.01, 0.005, 0.001, 0.0005, 0.0001	Error limit (1.8 + L/600) L in mm
4429602	817 CLT	0 – 1000	0.01, 0.005, 0.001, 0.0005, 0.0001	Error limit (1.8 + L/600) L in mm

Digimar 814 SR
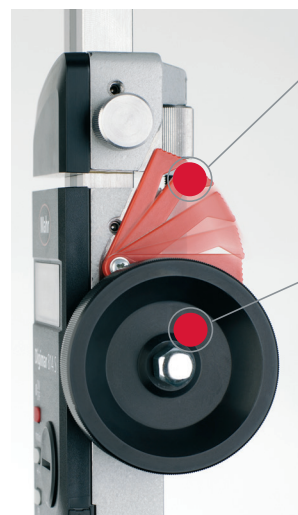## Ideal for the workshop, robust and universally applicable.

Digimar 814 SR
Height Measuring and Scribing Instrument

⦿ Exact positioning by handwheel

Digimar 814 SR

Clamping lever

for quickly securing the slide unit

Handwheel

for easy positioning and measuring

4426100

Order no.	Product	Measuring range	Resolution	Details
		mm	mm	
4426100	814 SR	0 – 350	0.01	Digit height 12 mm, handwheel for positioning and measuring
4426101	814 SR	0 – 600	0.01	Digit height 12 mm, handwheel for positioning and measuring

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 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

9
other optional **probes**

Always at hand

The calibration standard stays in the instrument and can be checked at any time.
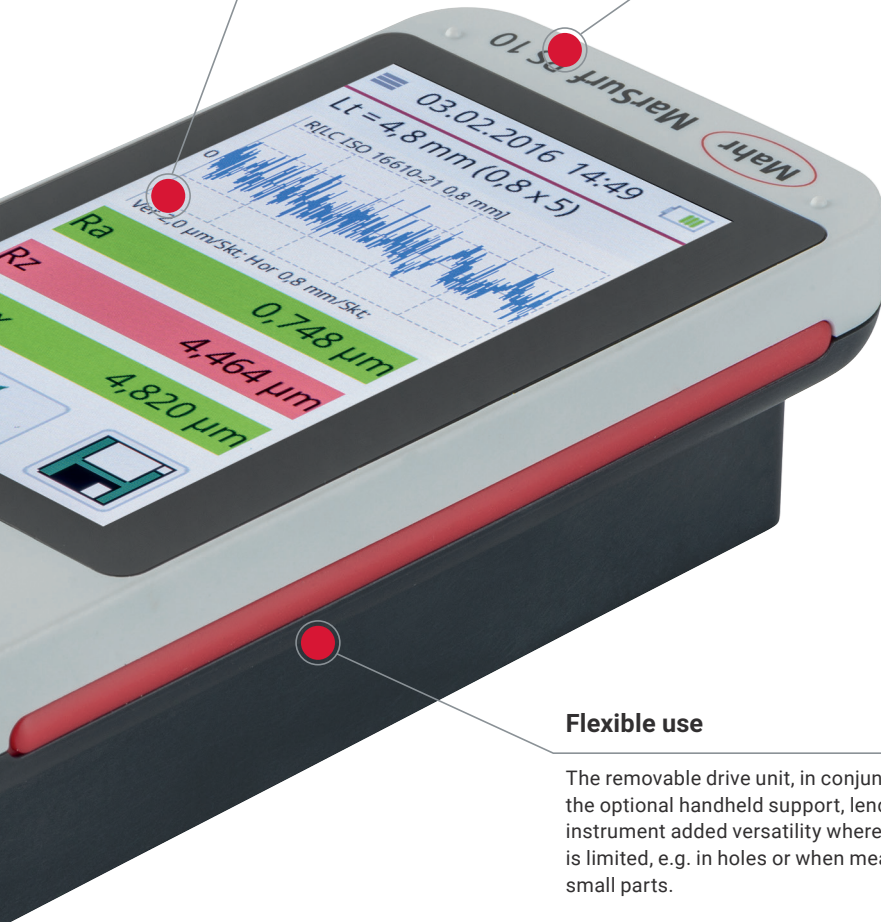
Extremely easy to operate with detailed profile display

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
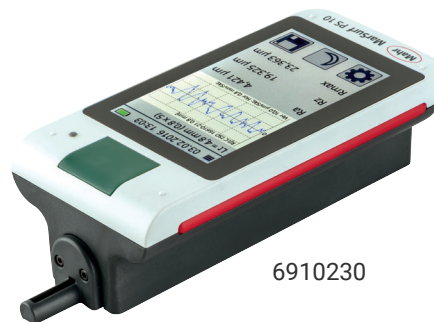same range of functions as a laboratory instrument

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.

MarSurf PS 10

6910230

Order no.	Product	Measuring range	Probe	Details
		µm		
6910230	PS 10	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

Detailed information on the products can be found at https://metrology.mahr.com/en-int/
All illustrations and figures etc. are without guarantee. All prices quoted are non-binding recommended prices. The net prices in NOK plus VAT are valid from April 1, 2024 to May 31, 2024

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? 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.

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.

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:

1 **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.

2 **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.

3 **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.

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 oper-ated 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.

ISO 21920 ready

At the turn of the year 2021/22, the new roughness standards DIN 21920-1 to 3 take effect. The MarSurf M 310 is compliant with these new standards.

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.

MarSurf M 310 SET

6910260

Order no.	Product	Measuring range	Probe	Details
		µm		
6910260	MarSurf M 310 SET	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
6910267	MarSurf M 310 SET with printer	350	Skidded probe system 2 µm probe tip	Additionally with USB/Bluetooth printer and docking station for direct printout of profiles, ADC and MRC diagram and measurement results

Detailed information on the products can be found at https://metrology.mahr.com/en-int/
All illustrations and figures etc. are without guarantee. All prices quoted are non-binding recommended prices. The net prices in NOK plus VAT are valid from April 1, 2024 to May 31, 2024

MarSurf M 410

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

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

Spring Sale

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

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.
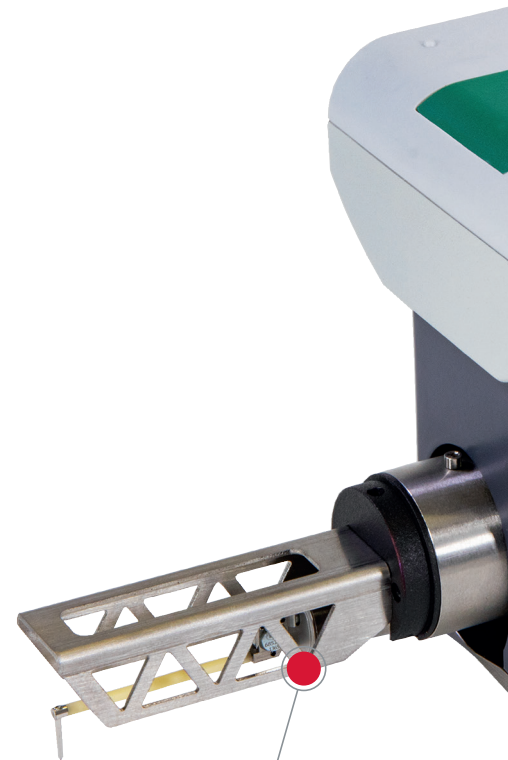
Magnetic probe holder

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.
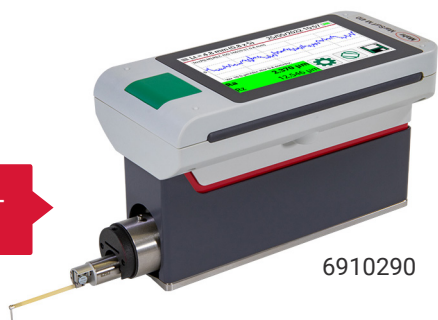
Wireless data transmission

Connect your measuring instrument to a PC via Bluetooth and transfer your data wirelessly to Excel or another software application, for example.

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.

MarSurf M 410 SET

6910290

Order no.	Product	Measuring range	Probe	Details
		µm		
6910290	MarSurf M 410 Set	500 µm (±250 µm)	with probe arm length 45 mm bis1500 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)
6910291	MarSurf M 410 Set (incl. printer)	500 µm (±250 µm)	with probe arm length 45 mm bis1500 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)

Detailed information on the products can be found at https://metrology.mahr.com/en-int/
All illustrations and figures etc. are without guarantee. All prices quoted are non-binding recommended prices. The net prices in NOK plus VAT are valid from April 1, 2024 to May 31, 2024

GTS Korea Co, Ltd., (주) 지티에스코리아

경남 창원시 의창구 원이대로 178번길 14

Phone: 055-288-2914

gtskorea@mahrkorea.co.kr

www.mahrkorea.co.kr