

Mahr

Mahr | A passion for detail

**Edition
2025**

Spring Sale

Mobile roughness measurement with the MarSurf PS 10

- Intuitive and easy to use like a smartphone
- Create finished PDF reports directly in the measuring device and data backup as TXT, X3P, CSV and PDF file
- Work without errors thanks to integrated, removable roughness standard

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



Special offer prices
April 8 to May 31, 2025

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

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



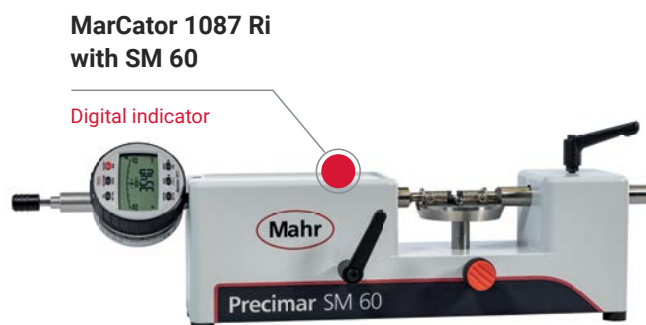
**MarCator 1086 Ri
with 3-point pistol**

Digital indicator



**Millimes
2001 Wi**

Digital
comparator



**MarCator 1087 Ri
with SM 60**

Digital indicator

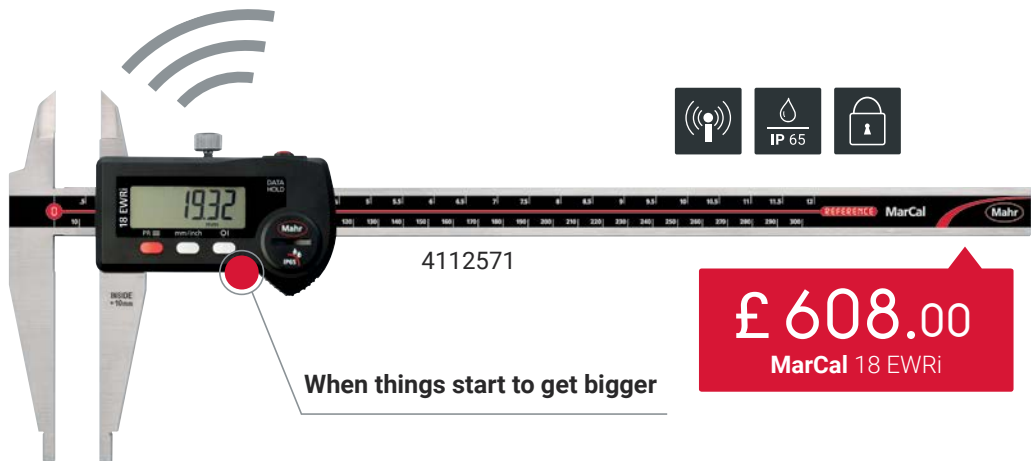
Detailed information on the products can be found at <https://metrology.mahr.com/en-int/>
All illustrations and figures etc. are without guarantee. All prices quoted are non-binding recommended prices. The net prices in £ plus VAT are valid from April 8 to May 31, 2025

MarCal 16 EWRI / 30 EWRI

Digital calipers with wireless interface



£ 175.50
MarCal 16 EWRI



£ 608.00
MarCal 18 EWRI



£ 269.50
MarCal 30 EWRI



£ 359.50
MarCal 30 EWRI

Order no.	Product	Measuring range	Resolution	Depth rod	Details	List price	Offer price
		mm	mm			£	£
4103400	16 EWRI	0 – 150	0,01	round	With measuring blades	239	175.50
4103402	16 EWRI	0 – 150	0,01	square	With measuring blades	239	175.50
9105795	16 EWRI	0 – 150	0,01	round	Starter pack incl. i-Stick	345	240.50
9105796	16 EWRI	0 – 150	0,01	square	Starter pack incl. i-Stick	345	240.50
4112571	18 EWRI	0 – 300	0,01		With measuring blades	759	608.00
4112572	18 EWRI	0 – 500	0,01		With measuring blades	987	789.50
4126671	30 EWRI	0 – 150	0,01		With measuring pin Ø 1,5 mm	449	359.50
4126672	30 EWRI	0 – 200	0,01		With measuring pin Ø 1,5 mm	507	406.00
4126673	30 EWRI	0 – 300	0,01		With measuring pin Ø 1,5 mm	584	467.00
4126751	30 EWRI	0 – 25	0,01		With measuring pin Ø 2 mm	337	269.50

Accessories for measuring instruments with Integrated Wireless							
4102220	i-Stick	Wireless receiver for measuring instruments with integrated wireless				107	84.50

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Spring Sale

Micromar 40 EWri

Micrometers according to your wishes



4157100



4157120



4157150

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		£	£
4157100	40 EWri	0 – 25	0,001	Standard version	309	237.00
4157101	40 EWri	25 – 50	0,001	Standard version	366	292.50
4157115	40 EWri	0 – 100	0,001	Standard version. set with 4 micrometers	1,639	1,311.00
4157120	40 EWri-L	0 – 25	0,001	QUICK DRIVE, 5 mm per rotation	386	307.50
4157121	40 EWri-L	25 – 50	0,001	QUICK DRIVE, 5 mm per rotation	440	351.50
4157150	40 EWri-V		0,001	Universal micrometer (QUICK DRIVE) incl. measuring anvils	1,129	894.00

Accessories for measuring instruments with Integrated Wireless					List price	Offer price
4102220	i-Stick	Wireless receiver for measuring instruments with integrated wireless			107	84.50

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MarCator 1086 Ri / 1087 Ri

Practically suited to your measuring tasks





£ 429.00

MarCator 1087 Ri

4337663





£ 368.00

MarCator 1086 Ri

4337624

Millimess | Inductive dial comparators

Millimess 2000 Wi / 2001 Wi





£ 560.00

Millimess 2000 Wi

4346701





£ 628.00

Millimess 2001 Wi

4346801

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		£	£
4337624	1086 Ri	12,5	0,0005	Practical functions for static measurement tasks	460	368.00
4337625	1086 Ri	25	0,0005	Practical functions for static measurement tasks	518	414.00
4337663	1087 Ri	12,5	0,0005	Practical functions for static and dynamic measurement tasks	537	429.00
4337665	1087 Ri	25	0,0005	Practical functions for static and dynamic measurement tasks	608	486.50
4346701	2000 Wi	± 1	0,0001	Highest sensitivity and accuracy, for static measuring tasks	700	560.00
4346801	2001 Wi	± 1	0,0001	Highest sensitivity and accuracy, for static and dynamic measuring tasks	788	628.00

Accessories for measuring instruments with Integrated Wireless					List price	Offer price
4102220	i-Stick	Wireless receiver for measuring instruments with integrated wireless			107	84.50

Detailed information on the products can be found at <https://metrology.mahr.com/en-int/>
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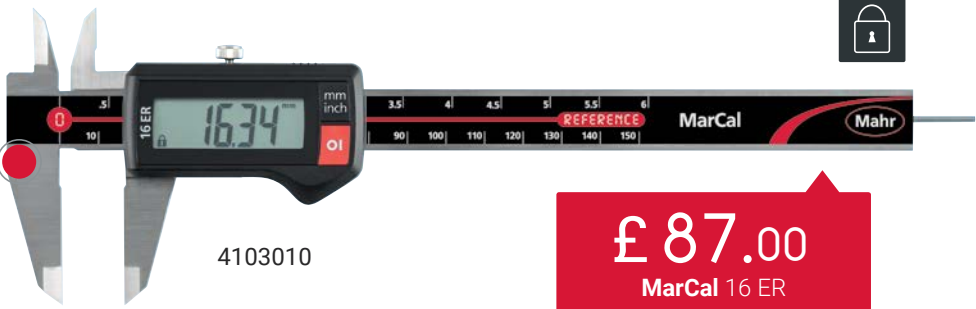
MarCal 16 ER / 16 EWR

Digital calipers without data output

Spring Sale

Best price – Best quality!

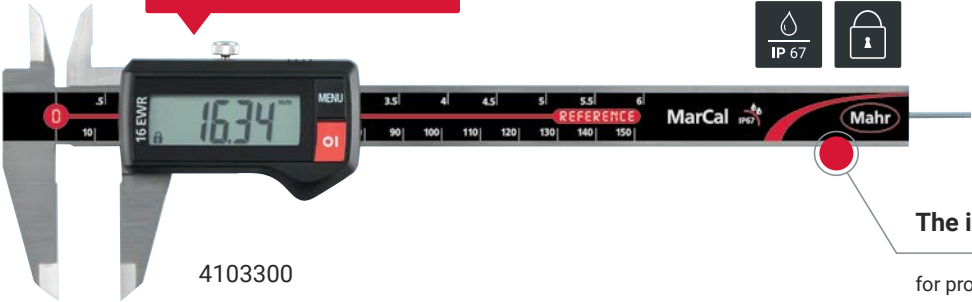
The standard
in the workshop



4103010

£ 87.00
MarCal 16 ER

£ 128.50
MarCal 16 EWR



4103300

The insensitive caliper
for production and workshop

Order no.	Product	Measuring range	Resolution	Depth rod	Details	List price	Offer price
		mm	mm			£	£
4103010	16 ER	0 – 150	0,01	round	Lapped guideway	117	87.00
4103012	16 ER	0 – 150	0,01	square	Lapped guideway	117	87.00
4103205	16 ER	0 – 200	0,01	square	Lapped guideway	193	149.00
4103300	16 EWR	0 – 150	0,01	round	Protection class IP 67	174	128.50
4103302	16 EWR	0 – 150	0,01	square	Protection class IP 67	174	128.50
4103304	16 EWR	0 – 200	0,01	square	Protection class IP 67	254	193.00

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MarCal 30 EWR

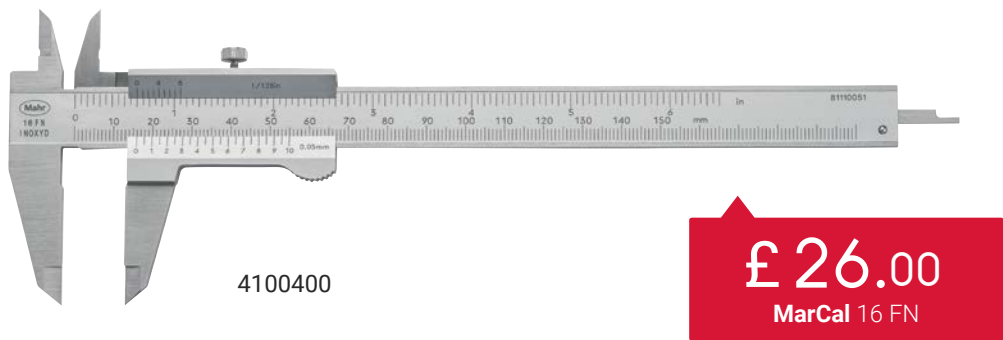
Digital depth gages



Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		£	£
4126651	30 EWR	0 – 150	0,01	Protection class IP67	392	313.50
4126652	30 EWR	0 – 200	0,01	Protection class IP67	457	360.50
4126653	30 EWR	0 – 300	0,01	Protection class IP67	518	414.00

MarCal 16 FN

Pocket calipers



Order no.	Product	Measuring range	Vernier value	Depth rod	List price	Offer price
		mm	mm/inch		£	£
4100400	16 FN	0 – 150	0,05/1/128"	square	33	26.00
4100401	16 FN	0 – 200	0,05/1/128"	square	89	70.00

Micromar 40 ER / 40 EWR

The insensitive ones for production and workshop

Spring Sale



£ 139.00

Micromar 40 ER

4157010



£ 300.00

Micromar 40 EWR-L



4157020



£ 871.00

Micromar 40 EWR-V

4157050

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		£	£
4157010	40 ER	0 – 25	0,001	Protection class IP40	174	139.00
4157011	40 EWR	0 – 25	0,001	Protection class IP65	219	175.00
4157012	40 EWR	25 – 50	0,001	Protection class IP65	303	242.00
4157020	40 EWR-L	0 – 25	0,001	IP65, data output, QUICK DRIVE, 5 mm per rotation	375	300.00
4157021	40 EWR-L	25 – 50	0,001	IP65, data output, QUICK DRIVE, 5 mm per rotation	428	342.50
4157050	40 EWR-V	0 – 25	0,001	IP65, data output, universal micrometer QUICK DRIVE in a set	1,093	871.00

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Micromar 40 A / 40 SA / 40 AS

Basics for production and workshop

Spring Sale

Outside micrometers with
hard lacquered steel frame



4134000

£ 47.00
Micromar 40 A



£ 277.50
Micromar 40 SA/SET

4134050

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

£ 1,610.00
Micromar 44 AS/SET



4190352


Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		£	£
4134000	40 A	0 – 25	0,01	Glare-free matt chrome-plated display parts	59	47.00
4134001	40 A	25 – 50	0,01	Glare-free matt chrome-plated display parts	93	74.00
4134050	40 SA/SET	0 – 100	0,01	Set of 4 micrometers	347	277.50
4190350	44 AS/SET	6 – 12	0,001	incl. setting rings 8 mm, 10 mm	1,167	934.00
4190351	44 AS/SET	12 – 20	0,001	incl. setting ring 16 mm	890	712.00
4190352	44 AS/SET	20 – 50	0,005	incl. setting rings 25 mm, 40 mm	2,013	1,610.00
4190353	44 AS/SET	50 – 100	0,005	incl. setting rings 60 mm, 85 mm	2,396	1,917.00

MarTest 800 S / 800 SG / 800 SM

Highly sensitive measuring

Spring Sale


£ 110.00
MarTest 800 SGM



4308200

Ideal
when absolute precision is vital

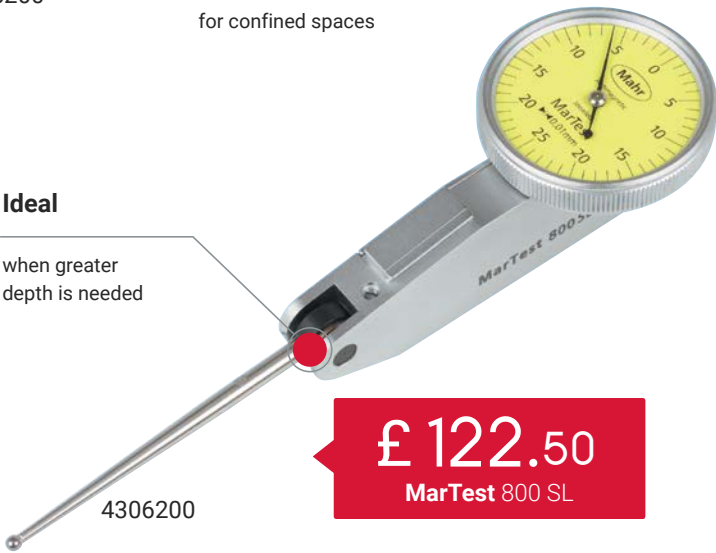
£ 74.00
MarTest 800 S



4305200

Ideal
for confined spaces

£ 122.50
MarTest 800 SL



4306200

Ideal
when greater depth is needed

MarCator | Dial indicator

MarCator 810 A



4311050

£ 36.00
MarCator 810 A

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		£	£
4305200	800 S	± 0,4	0,01	Dial ø 28 mm, measuring insert length 14.5 mm	96	74.00
4307200	800 SG	± 0,4	0,01	Dial ø 38 mm, measuring insert length 14.5 mm	96	75.00
4308150	800 SM	± 0,1	0,002	Dial ø 28 mm, measuring insert length 14.5 mm	124	99.50
4308200	800 SGM	± 0,1	0,002	Dial ø 38 mm, measuring insert length 14.5 mm	137	110.00
4306200	800 SL	± 0,25	0,01	Dial ø 28 mm, measuring insert length 41.24 mm	154	122.50
4311050	810 A	10	0,01	High-contrast dial face	48	36.00

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MarCator 1075 R / 1086 R / 1087 R / 1086 R-HR / 1087 R-HR

Highest precision with a large measuring range

Spring Sale



£ 130.50
MarCator 1075 R

4336010



£ 290.50
MarCator 1086 R

4337620



£ 366.50
MarCator 1087 R

4337660



£ 446.00
MarCator 1086 R-HR

4337697



£ 527.50
MarCator 1087 R-HR

4337695

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		£	£
4336010	1075 R	12,5	0,01	Basic functions for static measuring tasks	163	130.50
4336020	1075 R	12,5	0,005	Basic functions for static measuring tasks	226	180.00
4336030	1075 R	12,5	0,001	Basic functions for static measuring tasks	337	267.50
4337130	1086 R	12,5	0,01	Practical functions for static measurement tasks	315	236.00
4337620	1086 R	12,5	0,0005	Practical functions for static measurement tasks	388	290.50
4337621	1086 R	25	0,0005	Practical functions for static measurement tasks	476	357.00
4337697	1086 R-HR	12,5	0,0001	High-resolution, practical functions for static measurement tasks	595	446.00
4337660	1087 R	12,5	0,0005	Practical functions for static and dynamic measurement tasks	489	366.50
4337661	1087 R	25	0,0005	Practical functions for static and dynamic measurement tasks	563	422.00
4337695	1087 R-HR	12,5	0,0001	High-resolution, practical functions for static and dynamic measurement tasks	706	527.50

Highest level of precision

Spring Sale



Integrated Wireless

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



Can be configured and controlled remotely using MarCom Professional Software



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



Lock individual keys and functions

Remote-controlled settings can be configured 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



Protection rating IP 64

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

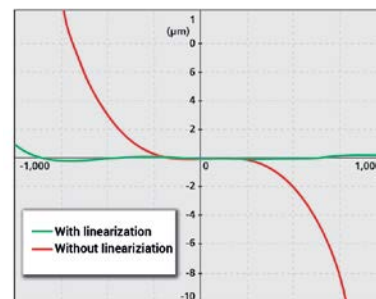


Convenient tolerance functions

- 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



ABS system

Absolute measuring system

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

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

Everything reliably under control

£ 131.00

Millimes 1010



4332000

£ 175.00

Millimes 1003



4334000



£ 527.00

Millimes 2000 W



4346700



£ 595.50

Millimes 2001 W



4346800



Order no.	Product	Measuring range		Display resolution		Details	List price	Offer price
		mm	µm	mm	µm		£	£
4335000	1002		± 25		0,5	Precision ball bearing of measuring spindle	396	316.00
4334000	1003		± 50		1	Precision ball bearing of measuring spindle	221	175.00
4334001	1003 XL		± 130		2	Precision ball bearing of measuring spindle	221	175.00
4332000	1010		± 250		10	Precision ball bearing of measuring spindle	165	131.00
4346700	2000 W	± 1		umschaltbar 0,0001 ... 0,01 mm/ .000005"0005"		Inductive measuring system, practical functions for static measuring tasks	658	527.00
4346800	2001 W	± 1		umschaltbar 0,0001 ... 0,01 mm/ .000005"0005"		Inductive measuring system, practical functions for static and dynamic measuring tasks	745	595.50

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

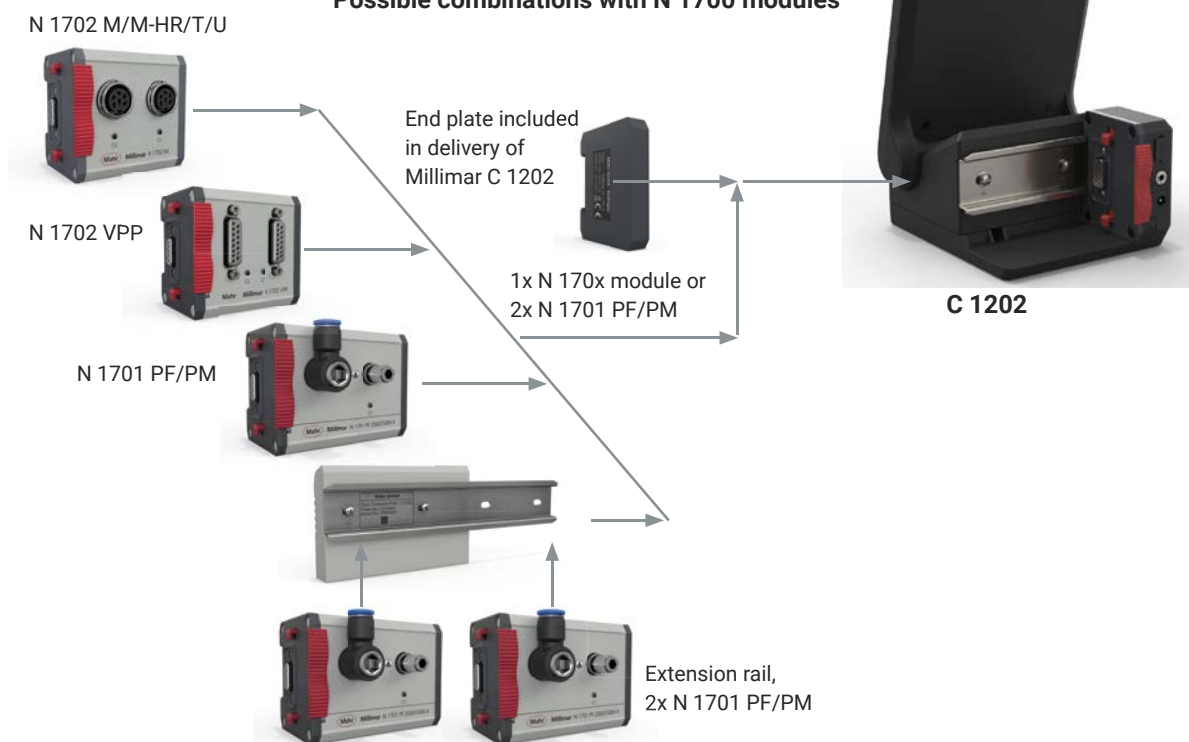
As the Millimar C 1202 is impervious to external influences, it is ideal for use in production.

Interchangeable modules

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

Configuring C 1202

Possible combinations with N 1700 modules



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

Spring Sale



5312012

£ 853.00
Millimar C 1200 M

Kompatibilität:
M = Mahr

£ 242.00
Millimar P 2004 M

£ 242.00
Millimar P 2004 T



5323011



5323010

Order no.	Product	Numerical display	Resolution	Details	List price	Offer price
		µm	µm		£	£
5312012	Millimar C 1200 M	± 5000	0,1	High-resolution, high-contrast TFT color display	1,066	853.00

Order no.	Product	Measuring range	Measuring force	Details	List price	Offer price
		mm	N		£	£
5323010	P 2004 M	± 2	0,75	Inductive probe	301	242.00
5323011	P 2004 T	± 2	0,75	Inductive probe	301	242.00

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

Flexible evaluation and display anywhere



5312025

£ 733.00

Millimar C 1202



5331120

£ 321.50

Millimar N 1702 M



5331125

£ 685.50

Millimar N 1702 M-HR



5331161

£ 301.00

Millimar N 1702 VPP



5315081

Order no.	Product	Numerical display	Resolution	Details	List price	Offer price
		µm	µm		£	£
5312025	Millimar C 1202	± 999 999,9	0,01, 0,1, 1	High-resolution, high-contrast TFT color display	916	733.00

Order no.	Product	Measuring range	Measuring force	Details	List price	Offer price
		mm	N		£	£
5331120	Millimar N 1702 M	± 2		Module for 2 inductive probes, Resolution 0.1 µm	402	321.50
5331125	Millimar N 1702 M-HR	± 0,2		Module for 2 inductive probes, Resolution 0.1 µm	856	685.50
5331161	Millimar N 1702 VPP			Module for incremental sensors	377	301.00
5315081	P 1512 V	12	0,6 – 1,2	Incremental probe	740	628.00
5315311	P 1530 V	30	0,4 – 1	Incremental probe	1,026	872.00

Digimar 817 CLT

Reaching great heights with maximum precision and flexibility

Spring Sale



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.



£ 5,708.00
Digimar 817 CLT



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.



4429600

Order no.	Product	Measuring range	Resolution	Error limit	Repeatability (level)	Details	List price	Offer price
		mm	mm	µm	µm		£	£
4429630	816 CLT	0 – 350	0,01 - 0,0001	(2,0 + L/400) L	1	1D, large function keys	5,700	4,841.00
4429631	816 CLT	0 – 600		(2,0 + L/400) L			6,247	5,309.00
4429600	817 CLT	0 – 350		(1,8 + L/600) L			6,718	5,708.00
4429601	817 CLT	0 – 600		(1,8 + L/600) L	0,5	2D, thumbwheel with quick measurement keys, integrated ISO tolerance chart	7,335	6,233.50
4429602	817 CLT	0 – 1000		(1,8 + L/600) L			11,159	9,484.50

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Digimar 814 SR

Ideal for the workshop, robust and universally applicable.

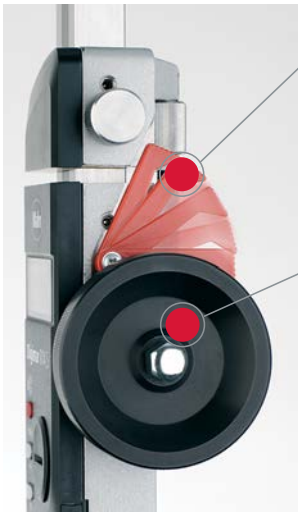
Spring Sale



Digimar 814 SR Height Measuring and Scribing Instrument

Exact positioning by handwheel

£ 557.50
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	List price	Offer price
		mm	mm		£	£
4426100	814 SR	0 – 350	0,01	Digit height 12 mm, handwheel for positioning and measuring	698	557.50
4426101	814 SR	0 – 600	0,01	Digit height 12 mm, handwheel for positioning and measuring	1,207	965.50
4426104	814 SR	0 – 980	0,01	Digit height 12 mm, handwheel for positioning and measuring	1,673	1,260.00

Precimar SM 60 / SM 60-V

Simple and robust, ideal for production and QA

Spring Sale

Precise measuring results

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

Mount

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

Clamping lever

for securing the contact

Clamping screw

for securing the support table


Lifting lever

for easy positioning of the measuring probe

5357360

£ 1,262.50

Precimar SM 60



£ 1,333.00

Precimar SM 60-V

SM 60-V

for universal use due to interchangeable measuring inserts

5357380

Application example:

Measurement of the diametral two-ball dimension of a gear



Order no.	Product	Messspanne	Application range	Mount ø	Details	List price	Offer price
		mm	mm	mm		£	£
5357360	SM 60	25	0 – 60	8	Table size ø 60 mm	1,485	1,262.50
5357380	SM 60-V	25	0 – 60	8	Table size ø 60 mm, incl. pair of carbide anvils ø 3.5 mm	1,560	1,333.00

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A variety of products for numerous industries

For more than 160 years the name “Mahr” has stood for modern technology, maximum precision and pioneering inventions. Today, the Mahr Group is a global operation, supporting customers in a wide range of industrial segments. A long-term focus is key to reliable, high-quality products, and sustainable customer relations. Close cooperation with our customers leads to a comprehensive understanding of the special requirements and technical challenges associated with these industries.

7
Industries

Whether in the automotive industry, medicine, new energies, or even aerospace – Mahr metrology is used all over the world.



Automotive



Aviation



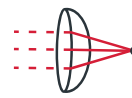
Electronics



Machines &
Tools



Medical



Optics



New energies

More than

20
product groups

Whatever the measuring task you are facing, the right measuring technology will help you tackle the most complex applications. Take advantage of Mahr's full range of metrology: We have everything you need in over 20 different product groups, from manual calipers to customized fully-automated, robot-controlled measuring stations.

More than

160 years

of the highest quality
by Mahr

MarSurf PS 10

Mobile measuring 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).

- 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.



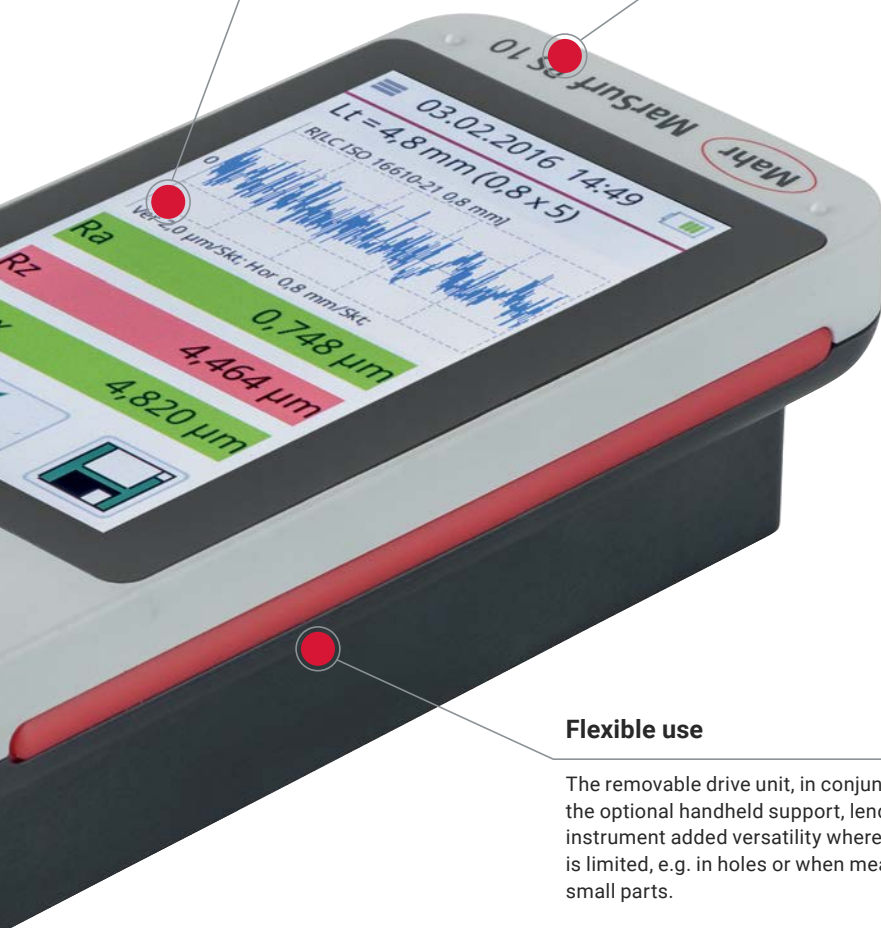
500 g
lightweight

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.

£1,757.50

MarSurf PS 10



6910230

Order no.	Product	Measuring range	Probe	Details	List price	Offer price
		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	2,300	1,757.50

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:

- 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.

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.



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.



£ 2,572.50
MarSurf M 310 SET



6910260

Order no.	Product	Measuring range	Probe	Details	List price	Offer price
		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	3,026	2,572.50
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	3,471	2,950.00

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 £ plus VAT are valid from April 8 to May 31, 2025

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 a 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.

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.



£ 6,695.00

MarSurf M 410 SET

6910290



Order no.	Product	Measuring range	Probe	Details	List price	Offer price
		µm			£	£
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)	7,877	6,695.00
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	8,322	7,075.00

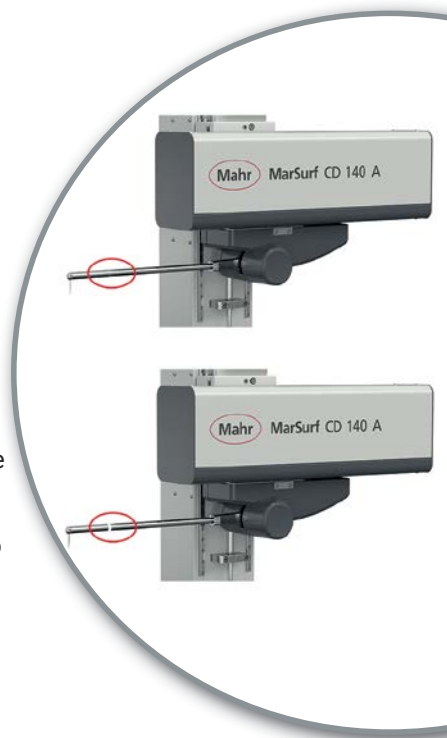
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MarSurf CD 140 AG 11

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 are also convinced by 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 other
- 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.

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.

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.

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.

£ 16,013.00

MarSurf CD 140 AG 11

6269200

Order no.	Product	Measuring range µm	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	16,013.00
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	17,793.00

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3766590-EN-GBP | 02.2025