

Winter Promotion

2025

Valid from November 1, 2025
until January 31, 2026



Mitutoyo

PRECISION ●
IS IN OUR **DNA** ●●

A culture of accuracy. **KAIZEN** as a mindset.

4 reasons why Mitutoyo makes the
difference for our customers.



PRECISION ●
IS IN OUR **DNA** ●

Find out more:



	Short	Description
U-WAVE	Wireless Data Transmission System	U-WAVE is Mitutoyo's proprietary wireless data transmission system which is superior to Bluetooth in both reliability and range. It is based on IEEE802.15.4 signals in the 2,4 GHz band.
	Wireless Data Transmission Standard	Bluetooth is a wireless standard for transmitting data, music, videos, or images over short distances of up to approximately 10 m.
U-WAVE fit	Transmitter System for U-WAVE and Bluetooth	U-WAVE fit transmitters are available in both U-Wave and Bluetooth version.
DIGIMATIC	Mitutoyo's Data Transmission Standard	Mitutoyo's original Digimatic Interface enables fast and reliable transfer of measurement data to external systems such as PCs, printer and Mitutoyo Counter units.
DIGIMATIC S1	Bidirectional Communication System for Measuring Devices	Mitutoyo's proprietary bidirectional serial communication protocol enables a connected PC to execute measurement data output, setting and control of a measuring instrument, and capture of information of a specific measuring instrument.
MeasurLink An Integrated Solution for Quality Data Management	SPC Software System	MeasurLink® is a measurement data management (SPC) software system based on databases (SQL Server).
	Harsh Environment Protection Level	Protection Class against water and dust refer to Standard IEC 60529.
	Certificate of Inspection	Includes inspection data so that customers can use them with confidence. Mitutoyo also calibrates the purchased measuring instrument and issues, for a fee, a calibration certificate that proves traceability to the relevant standard.
ABSOLUTE™	ABSOLUTE Linear Encoder	Electronic measuring scale that provides a direct readout of ABSOLUTE linear position. No Initialization required after switching on.
COOLANT PROOF™	Universal Term for Mitutoyo Digimatic Small Tools	These small tool instruments are not only resistant to dust and water ingress (rated to IP65 or better), but also to deterioration of materials due to contact with the cutting oil or coolant fluids in normal use. Note: Some types of aggressive cutting oil or coolant may degrade the sealing materials over time

Digital Micrometer QuantuMike IP65

- The spindle moves four time faster than of the standard Micrometer. 2 mm/rotation spindle pitch.
- The calibration alert function helps with effective measuring instrument management.
- Bidirectional serial communication Digimatic S1 supported.

No.	Description	Range	Digital Step	Accuracy	Data Output	Connector Type	USB Cable*	Wireless Application*		List Price €	Promotion Price €
								Transmitter	Connector		
293-140-40	Digital Micrometer QuantuMike IP65	0-25 mm	0,001 mm	± 1 µm	Yes	SA	06AGQ001A	264-622	02AZF960	380,00 €	280,00 €
293-141-40	Digital Micrometer QuantuMike IP65	25-50 mm	0,001 mm	± 1 µm	Yes	SA	06AGQ001A	264-622	02AZF960	468,00 €	350,00 €
293-142-40	Digital Micrometer QuantuMike IP65	50-75 mm	0,001 mm	± 2 µm	Yes	SA	06AGQ001A	264-622	02AZF960	556,00 €	410,00 €
293-143-40	Digital Micrometer QuantuMike IP65	75-100 mm	0,001 mm	± 2 µm	Yes	SA	06AGQ001A	264-622	02AZF960	628,00 €	470,00 €

* USB cables, transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 26-29).



U-WAVE^{fit}

DIGIMATIC S1

COOLANT PROOF™



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Data Management Software by Mitutoyo

Digital Outside Micrometer IP65





- Simple design with no data output. (293-821-30)
- IP65 for excellent resistance against water and dust. (except 293-821-30)
- Coolant Proof enabling use in machining situations that include splashing coolant fluid. (except 293-821-30)

No.	Description	Range	Digital Step	Accuracy	Data Output	Connector Type	USB Cable*	Wireless Application*		List Price €	Promotion Price €
								Transmitter	Connector		
293-821-30	Digital Micrometer Economy Design	0-25 mm	0,001 mm	± 2 µm	No					190,00 €	150,00 €
293-240-30	Digital Micrometer IP65	0-25 mm	0,001 mm	± 1 µm	No					244,00 €	193,00 €
293-241-30	Digital Micrometer IP65	25-50 mm	0,001 mm	± 1 µm	No					342,00 €	271,00 €
293-230-30	Digital Micrometer IP65	0-25 mm	0,001 mm	± 1 µm	Yes	B	06AFM380B	264-622	02AZF310	315,00 €	249,00 €
293-231-30	Digital Micrometer IP65	25-50 mm	0,001 mm	± 1 µm	Yes	B	06AFM380B	264-622	02AZF310	373,00 €	295,00 €
293-963-30	Digital Micrometer IP65 Set 4 pcs.	0-100 mm	0,001 mm		Yes	B	06AFM380B	264-622	02AZF310	1.810,00 €	1.433,00 €

* USB cables, transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 26-29).



Digital Micrometer Quickmike IP65

- With 10 mm feed/ thimble rotation, non rotating spindle.
- IP65 for excellent resistance against water and dust.
- Coolant Proof enabling use in machining situations that include splashing coolant fluid.



No.	Description	Range	Digital Step	Accuracy	Data Output	Connector Type	USB Cable*	Wireless Application*		List Price €	Promotion Price €
								Transmitter	Connector		
293-666-20	Digital Absolute Micrometer Quickmike	0-30 mm	0,001 mm	± 2 µm	Yes	B	06AFM380B	02AZD730G	02AZD790B	587,00 €	465,00 €

* USB cables, transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 26-29).

ABSOLUTE™

IP65

U-WAVE

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Digital High Accuracy Micrometer

U-WAVE

DIGIMATIC

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 Data Management Software by Mitutoyo


- High Accuracy Micrometer with 0,0001 mm digital step.
- Highly rigid frame and high-performance constant force mechanism 7-9 N.

No.	Description	Range	Digital Step	Accuracy	Data Output	Connector Type	USB Cable*	Wireless Application*		List Price €	Promotion Price €
								Transmitter	Connector		
293-100-20	Digital High Accuracy Micrometer	0-25 mm	0,0001 mm	± 0,5 µm	Yes	B	06AFM380B	02AZD880G	02AZD790B	2.006,00 €	1.588,00 €

*USB cables, transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 26-29).

Analog Outside Micrometer



193-101



Except 193-101 & 103-913-50 (>50 mm)



103-137

No.	Description	Remark	Range	Scale Graduation	Accuracy	List Price €	Promotion Price €
193-101	Digit Outside Micrometer		0-25 mm	0,01 mm	± 2 μm	155,00 €	119,00 €
103-137	Analog Outside Micrometer	Economy design	0-25 mm	0,01 mm	± 2 μm	59,00 €	47,00 €
103-138	Analog Outside Micrometer	Economy design	25-50 mm	0,01 mm	± 2 μm	84,00 €	67,00 €
103-913-50	Analog Outside Micrometer Set 6 pcs.	Economy design	0-150 mm	0,01 mm		598,00 €	479,00 €
102-301	Analog Outside Micrometer	Design with thermally insulating plate	0-25 mm	0,01 mm	± 2 μm	74,00 €	58,00 €
102-302	Analog Outside Micrometer	Design with thermally insulating plate	25-50 mm	0,01 mm	± 2 μm	97,00 €	76,00 €

Micrometer Heads & Accessories

- For Outside Micrometer 0-100 mm range.
- Adjustable angle type.



156-101-10

- Small standard design.
- With 9,5 mm stem.
- Flat or spherical spindle end.



No.	Description	Range	Scale Graduation	List Price €	Promotion Price €
156-101-10	Micrometer Stand, Adjustable Angle Type			70,00 €	56,00 €
148-104-10	Micrometer Head, Small Standard Type with Flat Spindle End	0-13 mm	0,01 mm	63,00 €	50,00 €
148-801-10	Micrometer Head, Small Standard Type with Spherical Spindle End	0-13 mm	0,01 mm	64,00 €	50,00 €

Digital ABS Caliper CoolantProof IP67

- IP67 for excellent resistance against water and dust.
- Coolant Proof enabling use in machining situations that include splashing coolant fluid.
- Absolute scale requires no origin setting after power on and has no limit to response speed.

No.	Description	Range	Digital Step	Data Output	Special Feature	List Price €	Promotion Price €
500-706-20	Digital ABS Caliper CoolantProof IP67	0-150 mm	0,01 mm	No	flat depth rod	202,00 €	149,00 €
500-709-20	Digital ABS Caliper CoolantProof IP67	0-150 mm	0,01 mm	No	round depth rod	203,00 €	158,00 €
500-707-20	Digital ABS Caliper CoolantProof IP67	0-200 mm	0,01 mm	No	flat depth rod	279,00 €	219,00 €
500-708-20	Digital ABS Caliper CoolantProof IP67	0-300 mm	0,01 mm	No	flat depth rod	401,00 €	312,00 €

No.	Description	Range	Digital Step	Data Output	Special Feature	Connector Type	USB Cable*	Wireless Application*		List Price €	Promotion Price €
								Transmitter	Connection		
500-716-20	Digital ABS Caliper CoolantProof IP67	0-150 mm	0,01 mm	Yes	flat depth rod	A	06AFM380A	264-620	02AZF310	256,00 €	203,00 €
500-717-20	Digital ABS Caliper CoolantProof IP67	0-200 mm	0,01 mm	Yes	flat depth rod	A	06AFM380A	264-620	02AZF310	325,00 €	253,00 €
500-718-20	Digital ABS Caliper CoolantProof IP67	0-300 mm	0,01 mm	Yes	flat depth rod	A	06AFM380A	264-620	02AZF310	427,00 €	333,00 €

* USB cables, transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 26-29).

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COOLANT PROOF™

IP67



Digital ABS Caliper Standard Type

- Standard digital caliper.
- Absolute scale requires no origin setting after power on and has no limit to response speed.

No.	Description	Range	Digital Step	Data Output	Special Feature	List Price €	Promotion Price €
500-181-30	Digital ABS AOS Caliper	0-150 mm	0,01 mm	No	flat depth rod	134,00 €	99,00 €
500-184-30	Digital ABS AOS Caliper	0-150 mm	0,01 mm	No	round depth rod	134,00 €	101,00 €
500-196-30	Digital ABS AOS Caliper	0-6"/0-150 mm	0,0005"/0,01 mm	No	flat depth rod/ thumb roller	148,00 €	111,00 €
500-182-30	Digital ABS AOS Caliper	0-200 mm	0,01 mm	No	flat depth rod	215,00 €	168,00 €
500-197-30	Digital ABS AOS Caliper	0-8"/0-200 mm	0,0005"/0,01 mm	No	flat depth rod/ thumb roller	228,00 €	171,00 €

No.	Description	Range	Digital Step	Data Output	Special Feature	Connector Type	USB Cable*	Wireless Application*		List Price €	Promotion Price €
								Transmitter	Connection		
500-161-30	Digital ABS AOS Caliper	0-150 mm	0,01 mm	Yes	flat depth rod	C	06AFM380C	264-621	02AZF300	171,00 €	135,00 €
500-162-30	Digital ABS AOS Caliper	0-200 mm	0,01 mm	Yes	flat depth rod	C	06AFM380C	264-621	02AZF300	241,00 €	188,00 €
500-205-30	Digital ABS AOS Caliper	0-300 mm	0,01 mm	Yes	flat depth rod	C	06AFM380C	264-621	02AZF300	338,00 €	263,00 €

* USB cables, transmitters and connectors are not included and have to be purchased separately.
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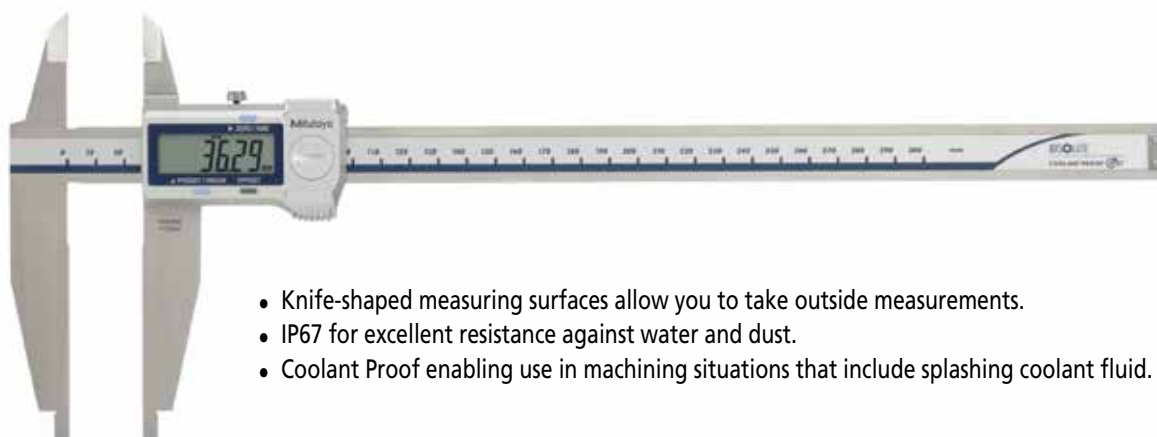
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U-WAVE^{fit}



Digital ABS Caliper Nib Style/Std. Jaws



- Knife-shaped measuring surfaces allow you to take outside measurements.
- IP67 for excellent resistance against water and dust.
- Coolant Proof enabling use in machining situations that include splashing coolant fluid.

No.	Description	Range	Digital Step	Data Output	Connector Type	USB Cable*	Wireless Application*		List Price €	Promotion Price €
							Transmitter	Connection		
551-331-20	Digital ABS Caliper Nib Style/Standard Jaws IP67	0-300 mm	0,01 mm	Yes	A	06AFM380A	264-620	02AZF310	596,00 €	454,00 €

* USB cables, transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 26-29).

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- Knife-shaped measuring surfaces allow you to take outside measurements.
- ABS Scale: No origin setting or speed limits.

No.	Description	Range	Digital Step	Data Output	Connector Type	USB Cable*	Wireless Connection*		List Price €	Promotion Price €
							Transmitter	Connection		
551-204-10	Digital ABS Caliper Nib Style/Std. Jaws	0-500 mm	0,01 mm	Yes	C	06AFM380C	02AZD880G	02AZD790C	960,00 €	748,00 €
551-207-10	Digital ABS Caliper Nib Style/Std. Jaws	0-1000 mm	0,01 mm	Yes	C	06AFM380C	02AZD880G	02AZD790C	1.594,00 €	1.242,00 €

* USB cables, transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 26-29).

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U-WAVE

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Digital ABS Carbon Fibre Caliper IP66



- Lightweight version with just 2,16 kg.
- IP66 for excellent resistance against water and dust.
- Coolant Proof enabling use in machining situations that include splashing coolant fluid.

No.	Description	Range	Digital Step	Data Output	Connector Type	USB Cable*	Wireless Application*		List Price €	Promotion Price €
							Transmitter	Connection		
552-305-10	Digital ABS Carbon Fibre Caliper IP66	0-1500 mm	0,01 mm	Yes	A	06AFM380A	02AZD730G	02AZD790A	2.418,00 €	1.884,00 €

* USB cables, transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 26-29).

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U-WAVE

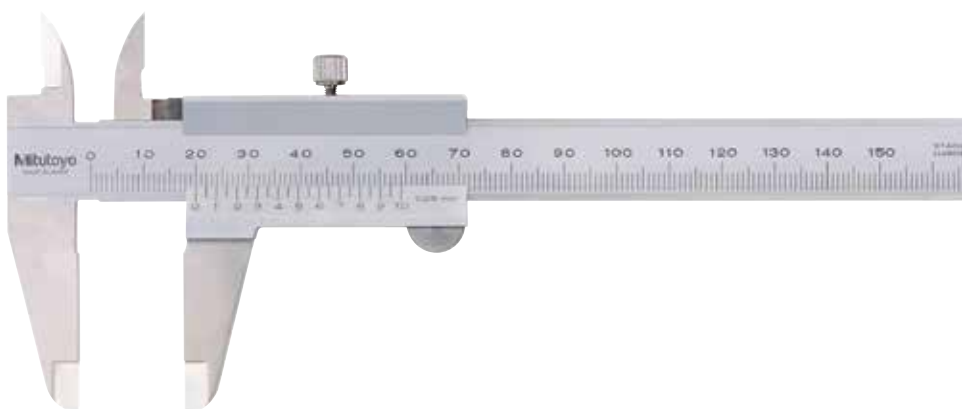
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DIGIMATIC

IP66

Vernier Caliper

- Ultra-smooth sliding.



No.	Description	Range	Scale Graduation	Special Feature	List Price €	Promo Price €
530-101	Vernier Caliper	0-150 mm	0,05 mm		38,00 €	29,00 €
530-104	Vernier Caliper	0-150 mm/ 0-6"	0,05 mm, 1/128"		39,00 €	31,00 €
530-122	Vernier Caliper	0-150 mm	0,02 mm		46,00 €	36,00 €
530-312	Vernier Caliper	0-150 mm/ 0-6"	0,02 mm, 0,001"		71,00 €	54,00 €
530-123	Vernier Caliper	0-200 mm	0,02 mm		75,00 €	58,00 €
530-124	Vernier Caliper	0-300 mm	0,02 mm		229,00 €	178,00 €
531-101	Vernier Caliper	0-150 mm	0,05 mm	with thumb clamp	53,00 €	41,00 €
531-122	Vernier Caliper	0-150 mm/ 0-6"	0,05 mm, 1/128"	with thumb clamp	47,00 €	37,00 €

Digital ABS Depth Gauge

- Measuring surfaces are hardened and micro-lapped.
- Absolute scale requires no origin setting after power on and has no limit to response speed.



No.	Description	Range	Digital Step	Data Output	Connector Type	USB Cable*	Wireless Connection*		List Price €	Promotion Price €
							Transmitter	Connection		
571-201-30	Digital ABS AOS Depth Gauge	0-150 mm	0,01 mm	Yes	C	06AFM380C	264-621	02AZF300	406,00 €	316,00 €
571-202-30	Digital ABS AOS Depth Gauge	0-200 mm	0,01 mm	Yes	C	06AFM380C	264-621	02AZF300	490,00 €	382,00 €
571-203-30	Digital ABS AOS Depth Gauge	0-300 mm	0,01 mm	Yes	C	06AFM380C	264-621	02AZF300	500,00 €	390,00 €

* USB cables, transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 26-29).

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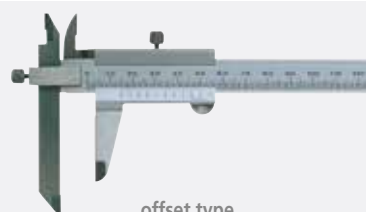
U-WAVE^{fit}

DIGIMATIC



Analogue Special Purpose Calipers

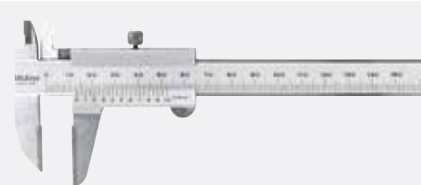
- Calipers for special purposes.



offset type
536-101



hook type
536-172



scribing type with carbide jaws
536-221 | 536-222

No.	Description	Range	Scale Graduation	List Price €	Promo Price €
536-101	Vernier Caliper offset type	0-150 mm	0,05 mm	320,00 €	272,00 €
536-172	Vernier Caliper hook type	0-200 mm	0,02 mm	712,00 €	605,00 €
536-221	Vernier Caliper scribing type with carbide jaws	0-150 mm	0,05 mm	173,00 €	147,00 €
536-222	Vernier Caliper scribing type with carbide jaws	0-200 mm	0,05 mm	209,00 €	178,00 €

Digital Special Purpose Calipers

- Calipers for special purposes.
- IP67 for excellent resistance against water and dust. (Except 573-191-30)
- Coolant Proof enabling use in machining situations that include splashing coolant fluid. (Except 573-191-30)

573-191-30

This caliper has a low and constant measuring force 0,5-1 N. Ideal for measuring elastic workpieces such as plastic and rubber parts.



573-654-20



573-635-20



573-643-20



573-648-20



573-662-20

No.	Description	Range	Digital Step	Data Output	Connector Type	USB Cable*	Wireless Connection*		List Price €	Promotion Price €
							Transmitter	Connection		
573-191-30	Digital ABS Caliper with constant measuring force	0-180 mm	0,01 mm	Yes	C	06AFM380C	264-621	02AZF300	1.091,00 €	927,00 €
573-635-20	Digital ABS Caliper blade type IP67	0-150 mm	0,01 mm	Yes	A	06AFM380A	264-620	02AZF310	742,00 €	631,00 €
573-643-20	Digital ABS Caliper knife edge type IP67	10,1-200 mm	0,01 mm	Yes	A	06AFM380A	02AZD730G	02AZD790A	845,00 €	718,00 €
573-648-20	Digital ABS Caliper inside point jaw type IP67	20,1-170 mm	0,01 mm	Yes	A	06AFM380A	264-620	02AZF310	782,00 €	665,00 €
573-654-20	Digital ABS Caliper neck point jaw type IP67	0-150 mm	0,01 mm	Yes	A	06AFM380A	264-620	02AZF310	767,00 €	652,00 €
573-662-20	Digital ABS Caliper for tube thickness types IP67	0-150 mm	0,01 mm	Yes	A	06AFM380A	264-620	02AZF310	655,00 €	557,00 €

* USB cables, transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 26-29).

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DIGIMATIC

U-WAVE

(573-643-20)

COOLANT PROOF™

IP67

U-WAVE fit

Bluetooth

—(Except 573-191-30)—

—(Except 573-643-20)—

3-Point Internal Micrometer

- Titanium-coated measuring pins give you excellent durability and impact resistance.

No.	Description	Range	Scale Graduation	Accuracy	List Price €	Promotion Price €
368-164	Analog 3-Point Internal Micrometer	12-16 mm	0,005 mm	± 3 µm	480,00 €	378,00 €
368-165	Analog 3-Point Internal Micrometer	16-20 mm	0,005 mm	± 3 µm	493,00 €	388,00 €
368-166	Analog 3-Point Internal Micrometer	20-25 mm	0,005 mm	± 3 µm	505,00 €	398,00 €
368-167	Analog 3-Point Internal Micrometer	25-30 mm	0,005 mm	± 3 µm	517,00 €	407,00 €
368-168	Analog 3-Point Internal Micrometer	30-40 mm	0,005 mm	± 3 µm	535,00 €	421,00 €
368-169	Analog 3-Point Internal Micrometer	40-50 mm	0,005 mm	± 3 µm	543,00 €	427,00 €
368-911	Analog 3-Point Internal Micrometer Set 3 pcs.	6-12 mm	0,005 mm		1.091,00 €	864,00 €
368-912	Analog 3-Point Internal Micrometer Set 2 pcs.	12-20 mm	0,005 mm		942,00 €	746,00 €
368-913	Analog 3-Point Internal Micrometer Set 4 pcs.	20-50 mm	0,005 mm		2.160,00 €	1.710,00 €

No.	Description	Range	Digital Step	Accuracy	Data Output	Connector Type	USB Cable*	Wireless Application*		List Price €	Promotion Price €
								Transmitter	Connector		
468-164	Digital 3-Point Internal Micrometer IP65	12-16 mm	0,001 mm	± 3 µm	Yes	B	06AFM380B	02AZD730G	02AZD790B	1.402,00 €	1.070,00 €
468-165	Digital 3-Point Internal Micrometer IP65	16-20 mm	0,001 mm	± 3 µm	Yes	B	06AFM380B	02AZD730G	02AZD790B	1.375,00 €	1.073,00 €
468-166	Digital 3-Point Internal Micrometer IP65	20-25 mm	0,001 mm	± 3 µm	Yes	B	06AFM380B	02AZD730G	02AZD790B	1.445,00 €	1.110,00 €
468-167	Digital 3-Point Internal Micrometer IP65	25-30 mm	0,001 mm	± 3 µm	Yes	B	06AFM380B	02AZD730G	02AZD790B	1.445,00 €	1.113,00 €
468-168	Digital 3-Point Internal Micrometer IP65	30-40 mm	0,001 mm	± 3 µm	Yes	B	06AFM380B	02AZD730G	02AZD790B	1.434,00 €	1.135,00 €
468-981	Digital 3-Point Internal Micrometer IP65 Set 3 pcs.	6-12 mm	0,001 mm		Yes	B	06AFM380B	02AZD730G	02AZD790B	3.310,00 €	2.620,00 €
468-982	Digital 3-Point Internal Micrometer IP65 Set 3 pcs.	12-25 mm	0,001 mm		Yes	B	06AFM380B	02AZD730G	02AZD790B	3.670,00 €	2.905,00 €
468-983	Digital 3-Point Internal Micrometer IP65 Set 3 pcs.	25-50 mm	0,001 mm		Yes	B	06AFM380B	02AZD730G	02AZD790B	3.973,00 €	3.145,00 €
568-924-10	Digital ABS Borematic with interchangeable heads 3 pcs.	6-12 mm	0,001 mm		Yes	F	06AFM380F	02AZD730G	02AZD790F	2.070,00 €	1.639,00 €
568-925-10	Digital ABS Borematic with interchangeable heads 3 pcs.	12-25 mm	0,001 mm		Yes	F	06AFM380F	02AZD730G	02AZD790F	2.223,00 €	1.760,00 €
568-926-10	Digital ABS Borematic with interchangeable heads 3 pcs.	25-50 mm	0,001 mm		Yes	F	06AFM380F	02AZD730G	02AZD790F	2.616,00 €	2.071,00 €

* USB cables, transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 26-29).



Series 568



- IP65 for excellent resistance against water and dust.
- Coolant Proof enabling use in machining situations that include splashing coolant fluid.
- Titanium-coated measuring pins give excellent durability and impact resistance.

Snap Open Bore Gauge Sets - 568-924-10, 568-925-10 & 568-926-10

- Snap Open Bore Gauge Set with one display unit and interchangeable heads.
- Titanium-coated measuring pins gives you excellent durability and impact resistance.
- 330° rotatable display unit also gives you easy reading at any angle.



Bore Gauge



- Carbide for the contact point and the anvil for durability and wear resistance.
- It reduces the influence of heat from the operator's hand by 50% by making the grip hollow structured.
- The Bore Gauge is delivered with a digital indicator with minimum holding function that allows you to easily detect a hole diameter.

No.	Description	Range	Digital Step	Accuracy	Data Output	Connector Type	USB Cable*	Wireless Application*		List Price €	Promotion Price €
								Transmitter	Connector		
511-925-20	2-Point Inside Measuring Instrument with digital indicator	18-150 mm	0,001 mm	± 2 µm	Yes	F	06AFM380F	264-623	02AZD790F	1.143,00 €	905,00 €

* USB cables, transmitters and connectors are not included and have to be purchased separately.
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ABSOLUTE™



DIGIMATIC

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U-WAVE^{fit}

- Carbide for the contact point and the anvil for durability and wear resistance.
- It reduces the influence of heat from the operator's hand by 50% by making the grip hollow structured.



No.	Description	Range	Scale Graduation	List Price €	Promo Price €
511-921-20	2-Point Inside Measuring Instrument with dial indicator	18-150 mm	0,01 mm	597,00 €	473,00 €
511-713-20	2-Point Inside Measuring Instrument with dial indicator	50-150 mm	0,01 mm	324,00 €	257,00 €
511-715-20	2-Point Inside Measuring Instrument with dial indicator	160-250 mm	0,01 mm	631,00 €	487,00 €

Height Gauge



- Absolute scale requires no origin setting after power on and has no limit to response speed.
- It comes with large and smooth-acting slider hand wheel.
- A large display and buttons for easy operability.

No.	Description	Range	Digital Step	Data Output	Connector Type	USB Cable*	Wireless Application*		List Price €	Promotion Price €
							Transmitter	Connector		
570-402	Digital ABS Height Gauge with handwheel	0-300 mm	0,01 mm	Yes	F	06AFM380F	02AZD880G	02AZD790F	786.00 €	622,00 €
570-404	Digital ABS Height Gauge with handwheel	0-600 mm	0,01 mm	Yes	F	06AFM380F	02AZD880G	02AZD790F	1.382,00 €	1.045,00 €

* USB cables, transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 26-29).

U-WAVE

DIGIMATIC

MeasurLink[®] ENABLED
 Data Management Software by Mitutoyo

ABSOLUTE™

QM-Height

- It has a high accuracy, high resolution ABSOLUTE linear encoder for position detection.
- Types with and without pneumatic drive mechanism.
- GO/±NG judgement is performed by setting the upper and lower tolerances.



No.	Description	Range	Digital Step	Accuracy	Data Output	Connector Type	USB Cable*	Wireless Application*		List Price €	Promotion Price €
								Transmitter	Connector		
518-240	QM Height without air floating	0-350 mm	0,001/0,005 mm	± (2,4+2,1L/600) μm L = length (mm)	Yes	D	06AFM380D	02AZD880G	02AZD790D	4.115,00 €	3.181,00 €
518-244	QM Height with air floating	0-350 mm	0,001/0,005 mm	± (2,4+2,1L/600) μm L = length (mm)	Yes	D	06AFM380D	02AZD880G	02AZD790D	4.544,00 €	3.516,00 €
518-242	QM Height without air floating	0-600 mm	0,001/0,005 mm	± (2,4+2,1L/600) μm L = length (mm)	Yes	D	06AFM380D	02AZD880G	02AZD790D	4.954,00 €	3.579,00 €
518-246	QM Height with air floating	0-600 mm	0,001/0,005 mm	± (2,4+2,1L/600) μm L = length (mm)	Yes	D	06AFM380D	02AZD880G	02AZD790D	5.375,00 €	3.956,00 €

* USB cables, transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 26-29).

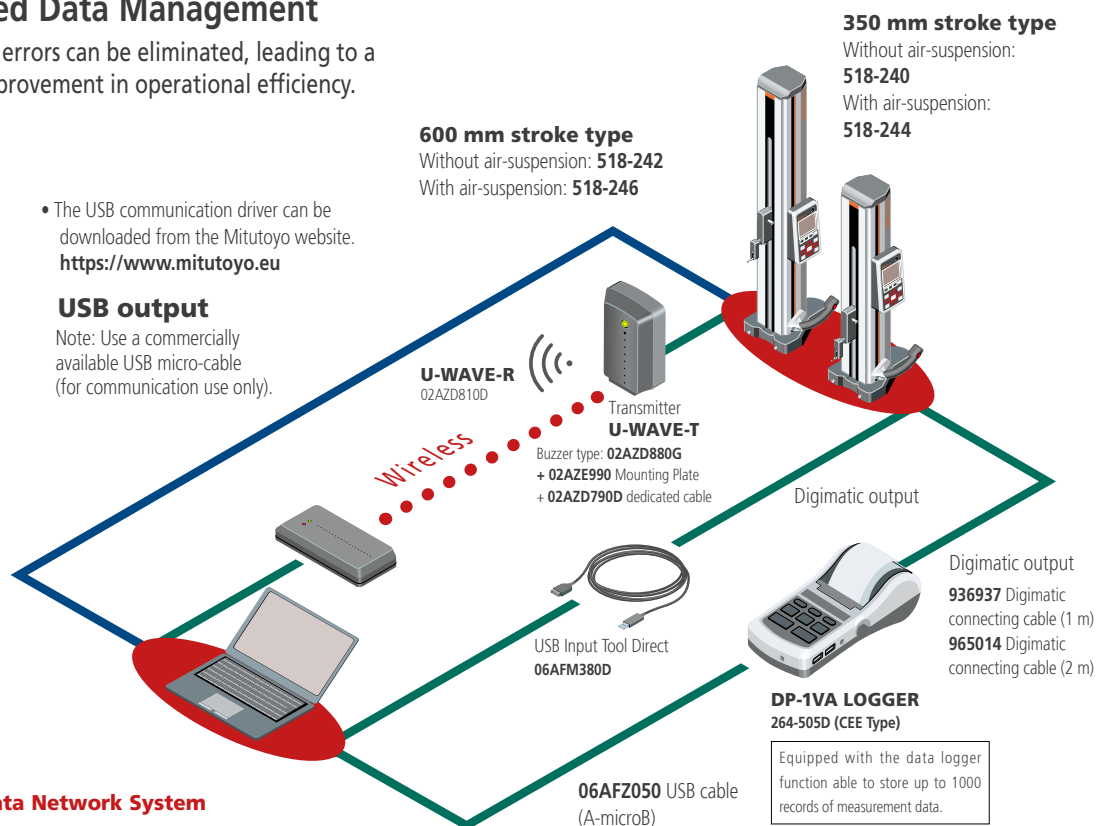
Centralised Data Management

Manual input errors can be eliminated, leading to a significant improvement in operational efficiency.

- The USB communication driver can be downloaded from the Mitutoyo website.
<https://www.mitutoyo.eu>

USB output

Note: Use a commercially available USB micro-cable (for communication use only).



Measurement Data Network System

MeasurLink®

MeasurLink is an IoT platform for quality management that realizes "Visualization of Quality" by enabling real-time data collection from the networked Digimatic gauges and global control and analysis.

MeasurLink® is a registered trademark of Mitutoyo Corporation in Japan and Mitutoyo America Corporation in the United States.

Optional products for outputting measurement data



MeasurLink® ENABLED
Data Management Software by Mitutoyo

ABSOLUTE™

U-WAVE



DIGIMATIC

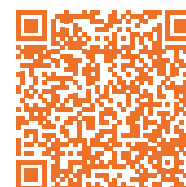
Linear Height

U-WAVE

DIGIMATIC S1

MeasurLink[®] ENABLED
 Data Management Software by Mitutoyo


Find out more



Linear Height **LH-600F** and **LH-600FG** is a high-end 2D height-measuring instrument

- Measurement operations can be performed by using the hybrid controller box with a touch screen and integrated sheet keyboard.
- It is capable of measuring with a digital step of 0.1 μm .
- Excellent accuracy of $(1.1 + 0.6L/600) \mu\text{m}$.
- Bidirectional Digimatic data output (Digimatic S1).
- Measurement results can be printed from a receipt printer or Digimatic Printer (DP-1VA) and sent to a PC via wireless communication, USB cable, or USB-Stick.
- Pneumatic drive mechanism.
- Automated running of pre-learned part programs.
- Excellent visualization of GO/ $\pm$ NG tolerance comparisons.
- Independent operation with rechargeable battery.
- LH-communication tool software available online free of charge.



Request Submission link on page 3

E-Learning Course Linear Height - 2D Measurement System (standard accessory)

Learning how to properly use a linear height is a very impressive skill in the quality control world, and in this program, we focus on Mitutoyo's widely used LH-600. In this online course, you will learn, among other things, the correct execution of measurements, reading in and calling up the probe, serial measurements, and reading out the measurement data.



Stylus Kit K650986 is delivered
as standard accessory

No.	Description	Range	Digital Step	Accuracy	Data Output	Connector Type	USB Cable	Wireless Application*		List Price €	Promotion Price €
								Transmitter	Connector		
PROMO015	Linear Height without Grip, Set	0-977 mm/ 0-38"	0,0001/ 0,001/ 0,01/ 0,1 mm or 0,000001/ 0,00001/ 0,0001/ 0,001"	$\pm (1,1 + 0,6L/600) \mu\text{m}$ L = length (mm)	Yes	SF	06AGQ001F	02AZD880G	02AZG011	8.926,70 €	7.052,00 €
PROMO016	Linear Height with Grip, Set	0-977 mm/ 0-38"	"0,0001/ 0,001/ 0,01/ 0,1 mm or 0,000001/ 0,00001/ 0,0001/ 0,001"	$\pm (1,1 + 0,6L/600) \mu\text{m}$ L = length (mm)	Yes	SF	06AGQ001F	02AZD880G	02AZG011	9.373,70 €	7.410,00 €

Sets include power cord and stylus kit.

Above-mentioned prices are Mitutoyo's suggested non-binding retail prices without VAT.

Digital Indicators

- Economy design.
- Absolute scale requires no origin setting after power on and has no limit to response speed.

U-WAVE^{fit} (except 575-121)

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DIGIMATIC



IP53

(543-794B-10)

U-WAVE

(575-121)



No.	Description	Range	Digital Step	Accuracy	Data Output	Connector Type	USB Cable*	Wireless Connection*		List Price €	Promotion Price €
								Transmitter	Connection		
543-781B-10	Digital Indicator ID-S with flat back plate	12,7 mm	0,01 mm	0,02 mm	Yes	F	06AFM380F	264-623	02AZD790F	187,00 €	147,00 €
543-790B-10	Digital Indicator ID-S with flat back plate	12,7 mm	0,001 mm	0,003 mm	Yes	F	06AFM380F	264-623	02AZD790F	357,00 €	280,00 €
543-794B-10	Digital Indicator ID-S IP53 with flat back plate	12,7 mm	0,001 mm	0,003 mm	Yes	F	06AFM380F	264-623	02AZD790F	401,00 €	314,00 €
575-121	Digital Indicator ID-U	25,4 mm	0,01 mm	0,02 mm	Yes	F	06AFM380F	02AZD880G	02AZD790F	254,00 €	199,00 €

* USB cables, transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 26-29).

Digital Indicator IP66

- The slim body and back-plunger type is ideal for multi-point measurements.
- IP66 for excellent resistance against water and dust.
- Coolant Proof enabling use in machining situations that include splashing coolant fluid.



543-585-10

543-575-10

No.	Description	Range	Digital Step	Accuracy	Data Output	Connector Type	USB Cable*	Wireless Connection*		List Price €	Promotion Price €
								Transmitter	Connection		
543-575-10	Digital Indicator ID-N IP66, slim design	12,7 mm	0,001 mm	0,003 mm	Yes	G	06AFM380G	264-622	02AZD790G	389,00 €	305,00 €
543-585-10	Digital Indicator ID-B IP66, back plunger type	12,7 mm	0,001 mm	0,003 mm	Yes	G	06AFM380G	02AZD730G	02AZD790G	416,00 €	326,00 €

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Data Management Software by Mitutoyo

U-WAVE^{fit}

ABSOLUTE[™]

COOLANT PROOF[™]

IP66

DIGIMATIC



Digital Indicators

543-700B | 543-715B | 543-720B | 543-730B

- Bidirectional communication e.g. to perform parameter setting from a PC (Digimatic S 1 interface).
- Measurements such as simple calculation Ax and MAX/MIN/RANGE detection are possible.
- GO/±NG judgement is performed by setting the upper and lower tolerances.

543-340B-10

- Indicator allows to use a calculation function for the measured value $Ax+B+Cx-1$.
- MAX/MIN/RANGE function.

543-310B-10

- Indicator for inside diameter applications.
- Minimum holding function.



No.	Description	Range	Digital Step	Accuracy	Data Output	Connector Type	USB Cable*	Wireless Connection*		List Price €	Promotion Price €
								Transmitter	Connection		
543-700B	Digital Indicator ID-C with flat back plate	12,7 mm	0,0005 mm	0,003 mm	Yes	SF	06AGQ001F	264-623	02AZF700	446,00 €	349,00 €
543-715B	Digital Indicator ID-C low force type with flat back plate	12,7 mm	0,01 mm	0,02 mm	Yes	SF	06AGQ001F	264-623	02AZF700	394,00 €	309,00 €
543-720B	Digital Indicator ID-C with flat back plate	25,4 mm	0,0005 mm	0,003 mm	Yes	SF	06AGQ001F	264-623	02AZG011	567,00 €	444,00 €
543-730B	Digital Indicator ID-C with flat back plate	50,8 mm	0,0005 mm	0,005 mm	Yes	SF	06AGQ001F	264-623	02AZG011	848,00 €	635,00 €
543-310B-10	Digital Indicator ID-C for Bore Gauges	12,7 mm	0,001 mm	0,003 mm	Yes	F	06AFM380F	264-623	02AZD790F	563,00 €	441,00 €
543-340B-10	Digital Indicator ID-C for calculation	12,7 mm	0,001 mm	0,003 mm	Yes	F	06AFM380F	264-623	02AZD790F	629,00 €	493,00 €

* USB cables, transmitters and connectors are not included and have to be purchased separately.
For non-bluetooth wireless connections, U-Wave requires a receiver unit 02AZD810D (see pages 26-29).

MeasurLink ENABLED
Data Management Software by Mitutoyo

U-WAVE fit

ABSOLUTE™



DIGIMATIC S1

(except 543-310B-10
& 543-340B-10)

Dial Indicators

Analogue

- Bezel clamp and lifting lever (optional) can be attached to either right or left side. They can be easily installed and removed without tools.
- No through screw holes on the frame as well as the use of an O-ring prevents water or oil penetration.

2110AB-10



2109AB-10



2046A(B)



No.	Description	Range	Scale Graduation	Bezel	List Price €	Promo Price €
2046AB	Dial Indicator with flat back plate	10 mm	0,01 mm	D=57 mm	48,00 €	38,00 €
2046A	Dial Indicator with lug back plate	10 mm	0,01 mm	D=57 mm	49,00 €	39,00 €
2110AB-10	Dial Indicator, jeweled bearing, shockproof with flat back plate	1 mm	0,001 mm	D=57 mm	137,00 €	108,00 €
2109AB-10	Dial Indicator, jeweled bearing, shockproof with flat back plate	1 mm	0,001 mm	D=57 mm	106,00 €	84,00 €
1044AB	Dial Indicator, compact design with flat back plate	5 mm	0,01 mm	D=40 mm	77,00 €	61,00 €

Dial Test Indicators

- Drastically enhanced durability, sensitivity and visibility, with 8 mm stem and stylus.
- Glare-free flat and multi-layer coated crystal face allows easy reading of graduations.



No.	Description	Range	Scale Graduation	Stylus Length	List Price €	Promo Price €
513-404-10E	Dial Test Indicator, Horizontal Type	0,8 mm	0,01 mm	17,4 mm	105,00 €	83,00 €
513-415-10E	Dial Test Indicator, Horizontal Type	1 mm	0,01 mm	41 mm	172,00 €	134,00 €
513-405-10E	Dial Test Indicator, Horizontal Type	0,2 mm	0,002 mm	15,2 mm	137,00 €	108,00 €
513-401-10E	Dial Test Indicator, Horizontal Type	0,14 mm	0,001 mm	11,2 mm	187,00 €	146,00 €

Accessories

Contact Element Set

No.	Description	List Price €	Promo Price €
7822	Contact Element Set 6 pcs., M2,5x0,45	207,00 €	164,00 €



Magnetic Stand

No.	Description	List Price €	Promo Price €
7010S-10	Magnetic Stand with 165 mm working radius	106,00 €	82,00 €
7033-10	Magnetic Stand with 346 mm working radius	499,00 €	399,00 €



Steel Rulers

- Clear graduation on satin-chrome finish.



No.	Description	Range	Scale Graduation	List Price €	Promo Price €
182-105	Steel Rule wide and rigid	6"/150 mm	1/32", 1/64", 1 mm, 0,5 mm	26,00 €	20,00 €
182-111	Steel Rule wide and rigid	150 mm	1 mm / 0,5 mm (on both face)	26,00 €	20,00 €
182-125	Steel Rule wide and rigid	12"/300 mm	1/32", 1/64", 1 mm, 0,5 mm	40,00 €	31,00 €
182-131	Steel Rule wide and rigid	300 mm	1 mm / 0,5 mm (on both face)	40,00 €	31,00 €
182-225	Steel Rule fully flexible	12"/300 mm	1/32", 1/64", 1 mm, 0,5 mm	36,00 €	28,00 €
182-309	Steel Rule semi flexible	40"/1000 mm	1/16", 1/32", 1/64", 1 mm, 0,5 mm	89,00 €	69,00 €



Feeler Gauge

No.	Description	Range	List Price €	Promo Price €
184-304S	Thickness/Feeler Gauge with 20 leaves	0,05-1 mm by 0,05 mm	59,00 €	46,00 €

U-WAVE Wireless Sytem

Operators

Device

Connection Units



For USB-cable connection options, please follow the QR code to our webshop to the USB input tool section.



Digimatic micrometer



Digimatic caliper



ID-C Indicator



Digimatic gauge



Digimatic micrometer



Digimatic caliper



ID-C Indicator



For QuantuMike



For standard IP65 Micrometer



For IP67 Caliper



For Standard Caliper



For ID-C Indicator 12,7 mm type Connection unit



Connecting cable



For QuantuMike



For standard IP65 Micrometer



For IP67 Caliper



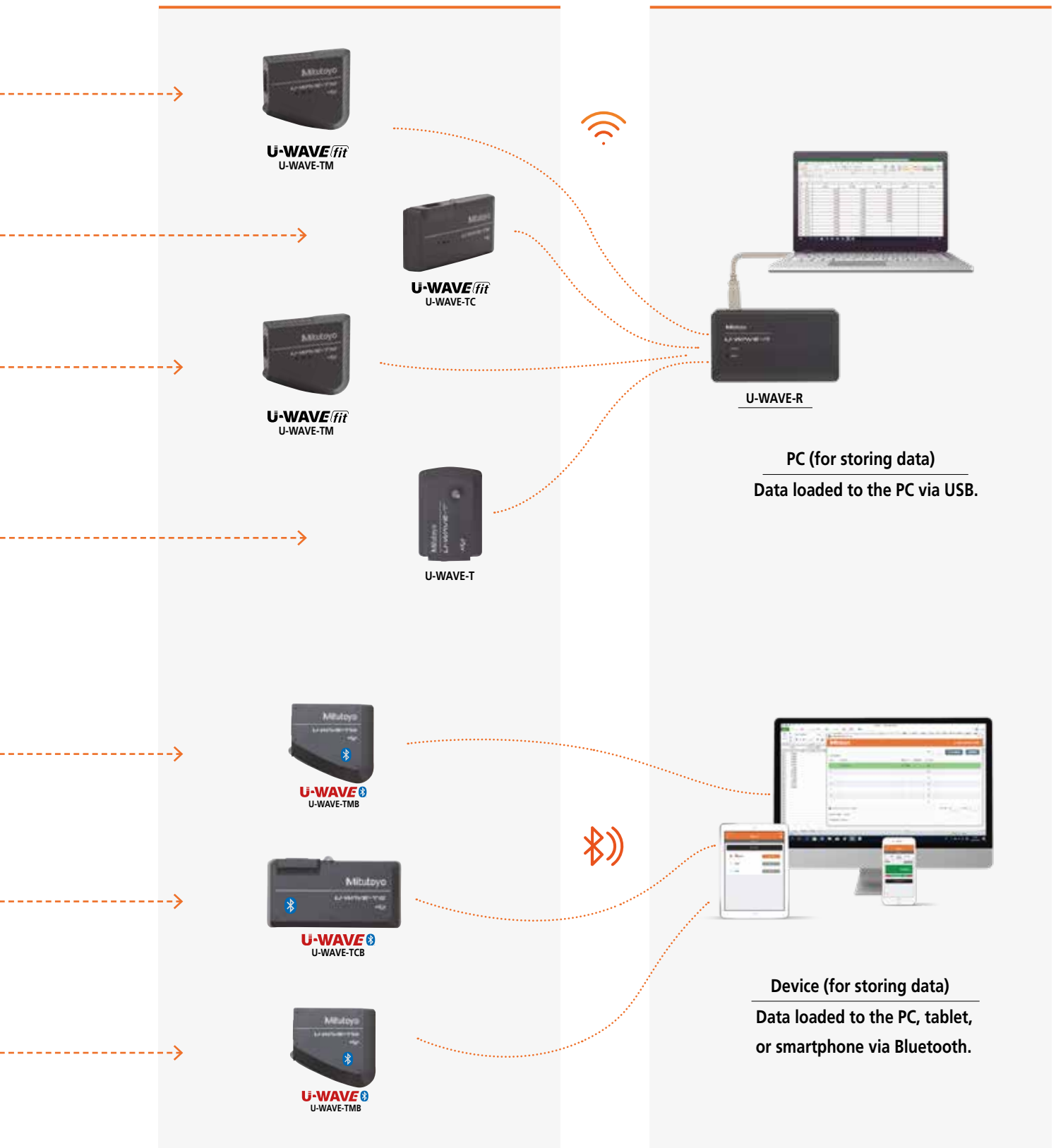
For Standard Caliper



For ID-C Indicator 12,7 mm type Connection unit

Transmitters

Receiver





Transmitter

No.	U-Wave Standard	Transmitter Type	Special Feature	Compatibility	List Price €	Promotion Price €
02AZD730G	IEEE802.15.4 (2,4 GHz)	U-WAVE-T	IP67	Universal	187,00 €	129,00 €
02AZD880G	IEEE802.15.4 (2,4 GHz)	U-WAVE-T	Buzzer	Universal	187,00 €	129,00 €
264-620	IEEE802.15.4 (2,4 GHz)	U-WAVE Fit	IP67	Caliper	185,00 €	129,00 €
264-621	IEEE802.15.4 (2,4 GHz)	U-WAVE Fit	Buzzer	Caliper	185,00 €	129,00 €
264-622	IEEE802.15.4 (2,4 GHz)	U-WAVE Fit	IP67	Micrometer, Indicator	185,00 €	129,00 €
264-623	IEEE802.15.4 (2,4 GHz)	U-WAVE Fit	Buzzer	Micrometer, Indicator	185,00 €	129,00 €
264-624	Bluetooth	U-WAVE Fit	IP67	Caliper	185,00 €	129,00 €
264-625	Bluetooth	U-WAVE Fit	Buzzer	Caliper	185,00 €	129,00 €
264-626	Bluetooth	U-WAVE Fit	IP67	Micrometer, Indicator	185,00 €	129,00 €
264-627	Bluetooth	U-WAVE Fit	Buzzer	Micrometer, Indicator	185,00 €	129,00 €

Connection Cables and Connection Units for U-WAVE Transmitter

No.	Description	Compatibility	Transmitter	List Price €	Promotion Price €
02AZD790A	Connection Cable A for U-WAVE	e.g. IP Class Caliper	U-WAVE fit U-WAVE-T	110,00 €	76,00 €
02AZD790B	Connection Cable B for U-WAVE	e.g. IP Class Micrometer 3-Point Internal Micrometer	U-WAVE fit U-WAVE-T	110,00 €	76,00 €
02AZD790C	Connection Cable C for U-WAVE	e.g. Large Size Standard Caliper without high grade IP Class	U-WAVE fit U-WAVE-T	105,00 €	72,00 €
02AZD790D	Connection Cable D for U-WAVE	e.g. ID-H Indicators, SJ-210-310-410, HV-100-HM-200, HR-530-600	U-WAVE fit U-WAVE-T	98,00 €	68,00 €
02AZD790E	Connection Cable E for U-WAVE	e.g. HR-300-400, HH-411	U-WAVE fit U-WAVE-T	98,00 €	68,00 €
02AZD790F	Connection Cable F for U-WAVE	Unidirectional Indicator e.g. ID-S	U-WAVE fit U-WAVE-T	98,00 €	68,00 €
02AZD790G	Connection Cable G for U-WAVE	ID-N and ID-B Indicators	U-WAVE fit U-WAVE-T	105,00 €	72,00 €
02AZG011	Connection Cable SF for U-WAVE	Bidirectional ID-C and ID-F Indicators, Linear Height LH-600F/FG	U-WAVE fit U-WAVE-T	131,00 €	86,00 €
02AZF300	Connection Unit for U-WAVE fit	Standard Caliper without high grade IP Class	U-WAVE fit	105,00 €	72,00 €
02AZF310	Connection Unit for U-WAVE fit	IP Micrometer, IP Caliper	U-WAVE fit	110,00 €	76,00 €
02AZF700	Connection Unit for U-WAVE fit	Bidirectional ID-C Indicator 12,7mm/0,5" Type	U-WAVE fit	124,00 €	86,00 €
02AZF960	Connection Unit for U-WAVE fit	Bidirectional QuantuMike Micrometer	U-WAVE fit	107,00 €	74,00 €

Receiver

No.	Description	U-Wave Standard	Product Type	List Price €	Promotion Price €
02AZD810D	U-WAVE-R Wireless Receiver	IEEE802.15.4 (2,4 GHz)	Receiver	371,00 €	249,00 €

Wireless Transmission and USB Cables

U-WAVE

Digimatic to USB Cable (USB Input Tool Direct). Can be used as a keyboard interface (HID) or virtual COM-Port (VCP)

No.	Description	List Price €	Promotion Price €
06AFM380A	2m Cable, Digimatic/Digimatic 2, with Data Button IP Caliper Type	141,00 €	111,00 €
06AFM380B	2m Cable, Digimatic/Digimatic 2, with Data Button IP Micrometer Type	141,00 €	111,00 €
06AFM380C	2m Cable, Digimatic/Digimatic 2, Straight, with Data Button	124,00 €	98,00 €
06AFM380D	2m Cable, Digimatic/Digimatic 2, Flat 10-Pin Type	124,00 €	98,00 €
06AFM380E	2m Cable, Digimatic/Digimatic 2, Round 6-Pin Type	124,00 €	98,00 €
06AFM380F	2m Cable, Digimatic/Digimatic 2, Flat Straight Type	124,00 €	98,00 €
06AFM380G	2m Cable, Digimatic/Digimatic 2, Flat Straight for ID-N/ID-B	124,00 €	98,00 €
06AGQ001A	2m Cable, Digimatic/ Digimatic 2/ Digimatic S1 Interface, IP Type	145,00 €	114,00 €
06AGQ001F	2m Cable, Digimatic/Digimatic 2/Digimatic S1 Interface	164,00 €	129,00 €
06ADV384	USB Footswitch Adapter	129,00 €	102,00 €
937179T	Footswitch	56,00 €	-

Digimatic to USB Box with footswitch connector and data switch. Can be used as a keyboard interface (HID) or virtual COM-Port (VCP)

No.	Description	Compatibility	List Price €	Promotion Price €
264-020	USB Input Tool Interface Box	Digimatic/Digimatic 2/Digimatic S1 Interface	259,00 €	204,00 €

USB-ITPAK

No.	Description	Remarks	List Price €	Promotion Price €
06AGR543	USB-ITPAK Vers. 3.0	USB Dongle + Manual (Software available Online)	340,00 €	268,00 €

USB-ITPAK Version 3 is software for collecting data from measuring instruments and output to Excel.

- Supports bidirectional serial communication provided by new ID-F and ID-C Indicator, Outside Micrometer QuantuMike and LH-600F/FG Height Gauge.
- Various settings are available like zero set, preset, unit, counting direction, tolerance setting, calibration date setting a.s.o.
- Measurement status information can be read like serial number, code number, calibration date, user control number a.s.o.



Hardness Sets



HR-530 Set



HR-530L Set

No.	Description	List Price €	Promotion Price €
HR-530-SET01	HR-530 Set	11.731,70 €	9.855,00 €
HR-530L-SET01	HR-530L Set	14.166,70 €	12.042,00 €

HR-530 Series

- Load cell based electronic test force application and control.
- Serial test mode with foot switch control (foot switch optional).
- Inside testing capability from $\varnothing$ 36mm (standard indenter) or $\varnothing$ 22mm (optional indenter 63DIA007).
- Use our digimatic Mini-processor (DP-1VA) for printing results, and you can use an input tool (USB-ITN-D) to connect to a PC for data transfer, analysis, and storage.
- Additional test methods: Brinell test, HBT, Rockwell plastic test, Accessories required: Indenters and a measurement microscope.

Discover our products:

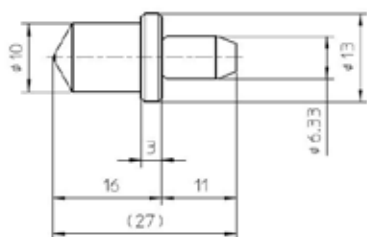


All Sets Include:

Accessories with DAkkS calibration certificates confirming to DIN EN ISO 6508 and ASTM E18. Made in Germany

Diamond Cone Indenter for Rockwell Test, Standard Type

With DAkkS calibration certificate conforming to ISO 6508-2 and ASTM E18 Class B without function test
Item number: 63DIA023



60HRC Rockwell Hardness Reference Material

With DAkkS calibration certificate conforming to ISO 6508-3 and ASTM E18, 60x60x16mm, steel, standard conform grid lasered on top
Item number: 63ETB040DG



HH-V400

Instantly Test Hardness Anywhere, Anytime



The HH-V400 is a rebound-type hardness tester for metals.

Hardness is determined from the ratio of the impact hammer's rebound velocity to its impact velocity.

- Portable, One-click Device.
- Wide Range of Test Targets.
- Selectable Hardness Scale.

Greatly improved functionality and operability, including color LCD display and enhanced statistical calculation functions

Fully Redesigned Calculation Display

Simpler / More User-friendly / Clearer



Color LCD

- Backlit
- Eco mode function
- Auto off

Easy-Operation Keys

Easy-to-understand icons

- Power on/off
- Menu screen display
- Confirm
- Back (return to previous screen)
- Data output
- Change items and values



SPC Connector

- Data output

USB Connector

- Data output, charging

Rechargeable Battery

- Continuous operation for 8 hours



External Output Devices (Optional)

You can enter test data into Excel, Notepad, etc.



IT-020U

For printing out test data.



DP-1VA LOGGER

Test data can be output wirelessly and processed on a PC.



U-WAVE-R
Data reception unit



U-WAVE-T
Data transmission unit

CRYSTA-KM 565



Performance

Accuracy (18° to 22 °C, ISO 10360-2:2009):
With MH20i-TP20: $E_{0, MPE} = (3.2 + 5L/1000) \mu m$

Measuring Range

X = 500 mm
Y = 600 mm
Z = 500 mm

Environment

Nominal temperature: 20 °C
Allowable temperature range: 18 – 22 °C temperature gradient:
0.5 °C/hour, 2 °C/day

Operating temperature: 15 – 35 °C
Relative humidity: 40 – 80 % (non-condensing)
Acceptable vibrations: 1–10 Hz: 30 mm/s²
10–20 Hz: 15 mm/s²
20–100 Hz: 50 mm/s²

Supply Requirements

Minimum air supply: 5 bar (72 PSI)
Air consumption: 90 NL/min (3 cfm)
Voltage: 230 V 50 Hz or 110 V 60 Hz
Max. power consumption: 10 A, 1200 W



The new manual CMM from Mitutoyo

- Ultra-rigid alloy platform.
- Rapid thermal diffusion through the frame.
- FEM-optimized design ensures stiffness and acceleration.
- One-piece granite base with M8 threaded inserts.
- Rigid air bearings.
- Pneumatic Z-axis counterbalance.
- 0.1 µm resolution scales with dynamic signal processing.
- Friction reducers with near-zero hysteresis.
- Passive vibration damping.
- Free access to measurement area.



Set Includes:

196-940MEU	CRYSTA-KM565, Manual CMM	Range 500x600x500
A-4099-0109	CMM Probe, Measuring head MH20i	manually indexable
06ABM944C	Master ball Ø20mm	with certificate
06AFJ091	Master ball cover	-
63TAA490	MCOSMOS-1 Manual V5	Geometric measurement for manual
63AAA170	CodeMeter USB dongle standard format	activation fee included
K551406	Base Plate for CRYSTA-KM 565	630x500x10
K551153	Eco-Fix Adaptor for Master ball	M6/M8

 Mitutoyo direct sales product only. For more information, please get in contact with your Mitutoyo subsidiary.

E-Learning

-  Our new e-learning for the manual CMM will be launching soon, making learning more flexible and accessible than ever. Available in multiple European languages, it allows users across regions to benefit from the same high-quality training experience. For group learning, we also offer comprehensive classroom packages that combine one teacher license with 20 student licenses in a single, cost-effective bundle.



QM Fit

Simply place workpieces on the measuring stage for instant measurement.

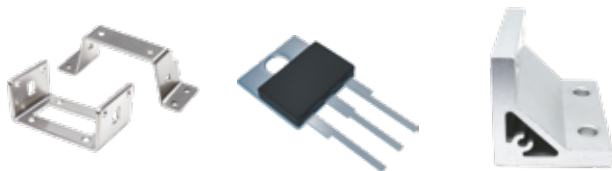
Measuring becomes even easier.

Improved efficiency in measuring thin and small objects

Superior element recognition capabilities provide smart dimension measurement.

With a touch panel, this system allows anyone to perform easy and reliable measurement.

This is a vision measuring system developed from the expertise of numerous customers to make it ideal for the worksite.



Thin and small workpieces can be measured instantly, simply by placing them on the measuring stage.

Machine

- High resolution image
- 20 mpx camera
- Traceability
- Measuring range 115 x 75 mm
- Depth 36 mm

Software

- Simple part program creation
- Automatic batch detection of multiple elements
- Mark the features on the touch screen
- Automatic axis alignment
- Pass/fail judgementSimple



Watch the video here



QM-Fit

SMART VISION SYSTEM - Compact Vision Measuring Machine

i Mitutoyo direct sales product only. For more information, please get in contact with your Mitutoyo subsidiary.

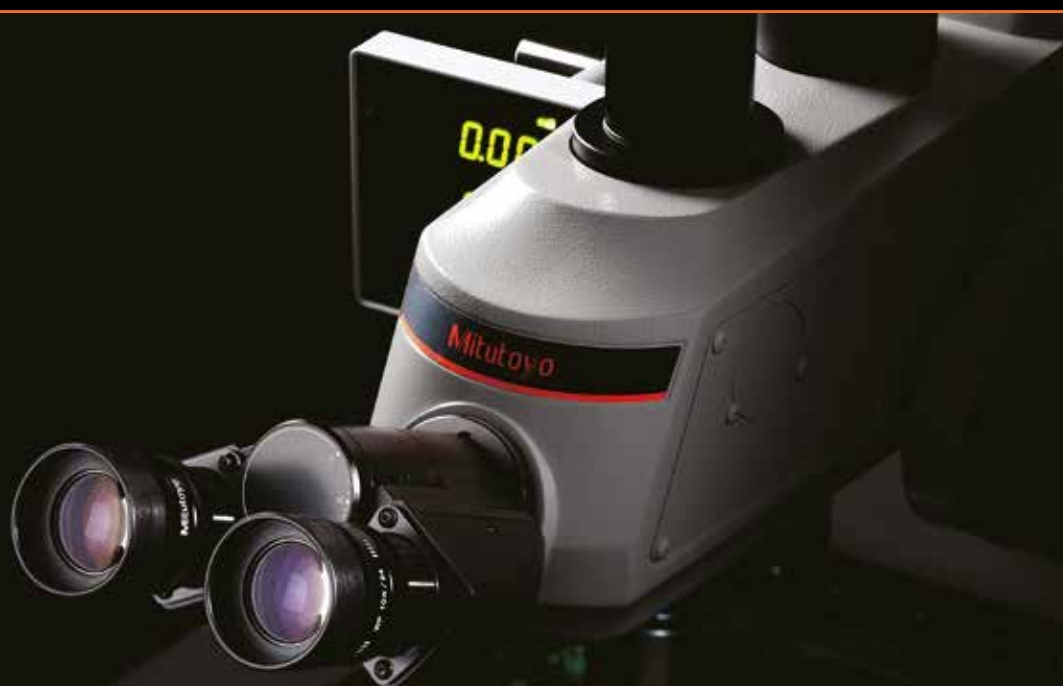
SMART

ACCESSIBLE

COMPACT



Microscope MF



MEASURING MICROSCOPE MF GENERATION

- MF series measuring microscopes offer outstanding optical quality with their ML series objective lenses with long working distance.
- Measuring accuracy is one of the highest in its class.
- Continuously adjustable LED contour and surface illumination ensure optimum lighting conditions.
- A comfortable 30X-magnified erect image comes with the 10X binocular and 3X ML lens.



Set Includes:

176-967-13	MF-B2010D	Standard microscope with XYZ counter
176-394	Binocular tube	For MF
970441	Camera Adaptor	C-Mount
02ZAA021	Power Cable CEE Type	-
63AAA770	M3 Soft-and hardware for MF-A/B	Metlogix M3 software, camera, interface box, 2x LED lighting modules
63AAA761	Geekom mini PC+TS for M3 S/W	Touch panel, 16GB RAM, WIN11 PRO, M3 camera pre-installed

No.	Description	List Price €	Promotion Price €
PROMO-MF2010-M3	Set of all products mentioned above	25.205,90 €	19.590,00 €

 Mitutoyo direct sales product only. For more information, please get in contact with your Mitutoyo subsidiary.

M3 Metrology software

Speed up your 2D measurements with MF microscopes and the innovative M3 software

An intuitive and thoughtful icon driven user interface, flexible edge detection tools, and powerful tolerancing and programming functionality, make the M3 the perfect solution for the MF microscopes.



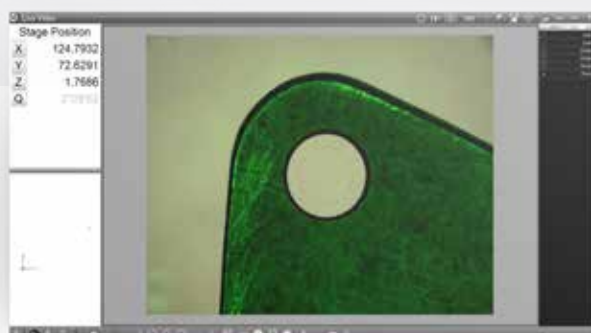
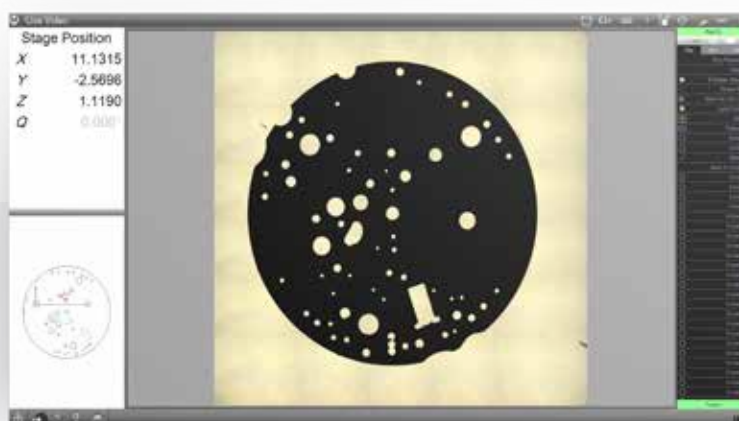
Metlogix M3 Metrology soft-and hardware set

- Led transmitted illumination module, software controlled.
- LED coaxial surface illumination module, s/w controlled.
- Video edge detection functionality.
- DXF import and overlay function.
- Profiling software option.
- Color camera, USB3 connection.
- MNC114 controller for Mitutoyo MF microscopes.

Standard Measuring
Microscopes MF Series



Image stitched from multiple
FOV standard functionality.



TM Microscopes

MANUAL MEASURING MICROSCOPE TM GENERATION B SERIES

TM series measuring microscopes offer outstanding optical quality with their objective lenses with long working distance.

- Measuring accuracy is one of the highest in its class.
- Continuously adjustable LED contour and surface illumination ensure optimum lighting conditions.
- A comfortable 30X-magnified erect image comes with the 15X monocular and 2X lens.

Find out more



Set Includes:

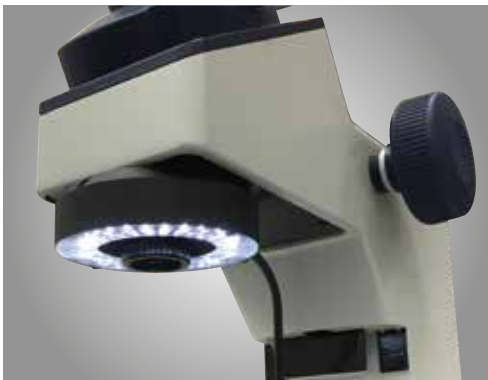
176-818-11	TM-505B microscope XY table 50 x 50 mm
164-163	2x digital micrometer head 0-50 mm
63AAA001	LED ring light with adjustable light intensity
02ZAA021	Power Cable CEE Type

No.	Description	List Price €	Promotion Price €
TMSET01	Set of all products mentioned above	7.316,70 €	5.699,00 €

Set Includes:

176-819-11	TM-1005B microscope XY table 100 x 50 mm
164-163	2x digital micrometer head 0-50 mm
63AAA001	LED ring light with adjustable light intensity
611675-031	Gauge block 50 mm Grade 1
02ZAA021	Power Cable CEE Type

No.	Description	List Price €	Promotion Price €
TMSET02	Set of all products mentioned above	8.914,60 €	6.899,00 €



LED ring light or applications requiring all-round lighting.



A vernier scale mounted outside the eyepiece enables simple angle measurement.

Surface Roughness & Roundness

Surftest SJ-410

- Large 14.5 cm [5.7"] colour LCD for high visibility.
- The skidless detector allows to measure the primary profile (P), roughness profile (R), waviness profile (W) and more.
- Built in battery allows for on-site measurements.
- Stylus tip: radius 2 µm; angle 60°.



Skidless Systems

No.	Description	Traverse	Detector measuring force	Stylus tip radius	Stylus tip angle	Z1 range	List Price €	Promotion Price €
178-580-31D	Surftest SJ-411 [mm]	25 mm	0.75 mN	2 µm	60°	800 µm	9.350,00 €	6.000,00 €
178-582-31D	Surftest SJ-412 [mm]	50 mm	0.75 mN	2 µm	60°	800 µm	10.980,00 €	7.150,00 €

Roundtest RA-120



Accessories - Surftest SJ-410

No.	Description	List Price €	Promotion Price €
178-039	Granite stand	1.125,00 €	731,00 €
178-010	Autoset unit	2.628,00 €	2.181,00 €
178-020	X-axis adjustment unit	1.353,00 €	1.123,00 €
178-030	Digital leveling unit	1.996,00 €	1.657,00 €

No.	Description	Rotational accuracy	Max. probing diameter	Max. workpiece diameter	Max. turntable loading	List Price €	Promotion Price €
211-543-13	Roundtest RA-120 [inch/mm]	(0.04+0.0006H) µm	280 mm	440 mm	25 kg	15.180,00 €	12.800,00 €



Free Download

USB Communication
Tool via internet



Surftest SJ-220

- Easy-to-Use: 2,8" color LCD with touchscreen, similar to smartphone navigation.
- Wireless Connectivity: Optional Bluetooth for communication with Android devices (via free app) and PCs (via free SJ-Communication-Tool software).
- Intuitive Navigation: Simple menu design.
- Multilingual: Supports 25 languages.
- Stylus tip: radius 2 μm ; angle 60°
- ISO 21920 support.

Skid Systems

No.	Description	Traverse	Detector measuring force	Stylus tip radius	Stylus tip angle	Z1 range	List Price €	Promotion Price €
178-741-11	Surftest SJ-220 [mm]	17.5 mm	0.75 mN	2 μm	60°	360 μm	2.850,00 €	2.100,00 €
178-743-11	Surftest SJ-220R [mm]	17.5 mm	0.75 mN	2 μm	60°	360 μm	3.400,00 €	2.505,00 €
178-745-11	Surftest SJ-220S [mm]	5.6 mm	0.75 mN	2 μm	60°	360 μm	4.700,00 €	3.800,00 €

Accessories - Surftest SJ-220

No.	Description	List Price €	Promotion Price €
264-628	U-WAVE-TIB	290,00 €	199,00 €
178-029	Granite stand *	1.125,00 €	731,00 €
12AAA221	Adapter for magnetic stand; D8mm	50,00 €	35,00 €

* 12AAA221 is required for use

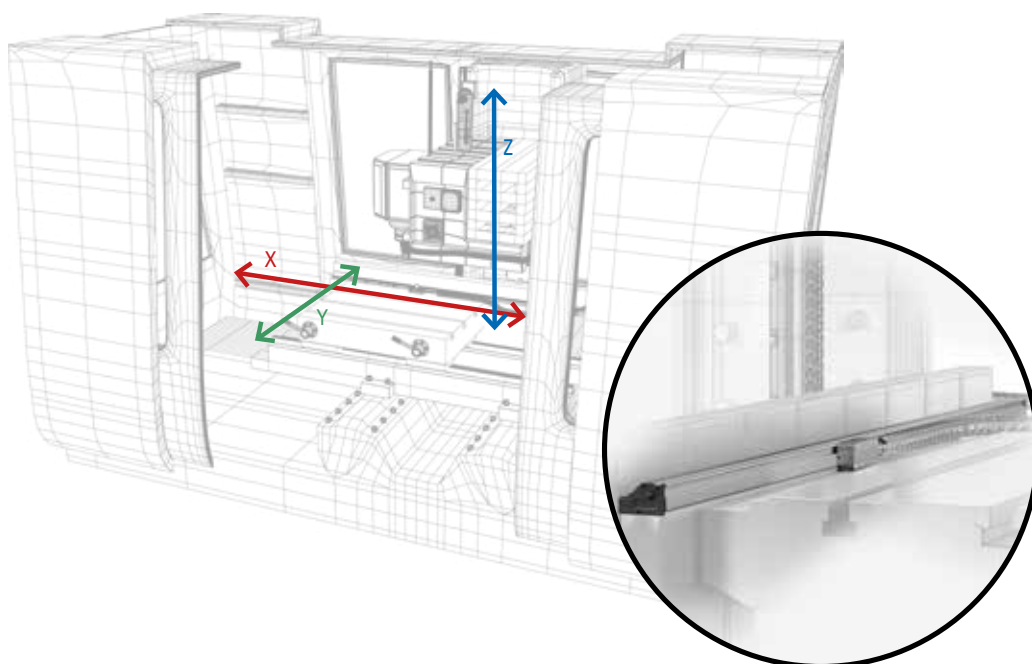
E-Learning >

- Calibration: Step-by-step
- Performing Measurements: Detailed instructions
- Theory and Measurement (ISO 21920 & ISO 4287)
- Measurement Data and Tolerance: How to interpret

and many other interesting topics around the SJ-220, explained step-by-step



Linear Scales



Find out more



Linear Scale Counter KA-212



174-183D

Linear Scale Counter KA-213



174-185D

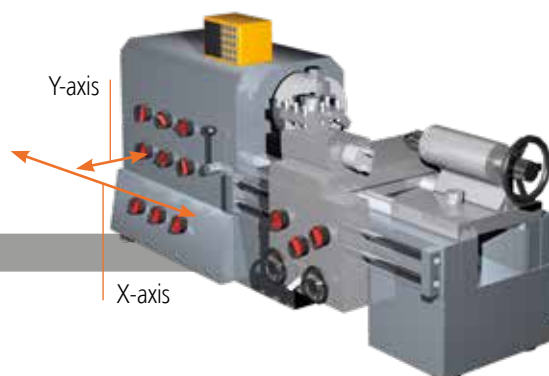
- can be used as standard or lathe counter.
- 2 or 3 axis models available.
- optional RS232 and USB output for connection to PC or printer.

539-8XX-2

€ 1.257

2-axis KA-200 COUNTER plus two scales with max. 2.000 mm effective range

2-axis KA-200 COUNTER + two scales, max. effective range 2000 mm



Upgrade your machine with highly robust and accurate Linear Scales

- Linear scales with an effective range of max. 3000 mm per scale.
- ABSOLUTE technology – no reference point setup required at power-on.
- IP67 protection - thanks to electromagnetic induction scanning principle (high durability and resistance to dust, water, and oil).
- High accuracy (from $\pm 5 \mu\text{m}$ up to $\pm 10 \mu\text{m}$), depending upon the effective range.
- Easy application in several types of manual machine tools, especially lathes.



No.	Description	Effective range (mm)	Total length (mm)	Standard cable length(m)*	No.	Description	Effective range (mm)	Total length (mm)	Standard cable length(m)*
539-801N	Linear Scale AT715-100	100	278	3,5	539-818N	Linear Scale AT715-1100	1100	1298	5
539-802N	Linear Scale AT715-150	150	328	3,5	539-819N	Linear Scale AT715-1200	1200	1398	5
539-803N	Linear Scale AT715-200	200	378	3,5	539-820N	Linear Scale AT715-1300	1300	1498	5
539-804N	Linear Scale AT715-250	250	428	3,5	539-821N	Linear Scale AT715-1400	1400	1598	5
539-805N	Linear Scale AT715-300	300	488	3,5	539-822N	Linear Scale AT715-1500	1500	1698	5
539-806N	Linear Scale AT715-350	350	538	3,5	539-823N	Linear Scale AT715-1600	1600	1798	5
539-807N	Linear Scale AT715-400	400	588	3,5	539-824N	Linear Scale AT715-1700	1700	1898	5
539-808N	Linear Scale AT715-450	450	638	3,5	539-825N	Linear Scale AT715-1800	1800	1998	5
539-809N	Linear Scale AT715-500	500	698	3,5	539-860N	Linear Scale AT715-2000	2000	2198	5
539-811N	Linear Scale AT715-600	600	798	3,5	539-861N	Linear Scale AT715-2200	2200	2398	5
539-813N	Linear Scale AT715-700	700	898	3,5	539-862N	Linear Scale AT715-2400	2400	2598	7
539-814N	Linear Scale AT715-750	750	938	3,5	539-863N	Linear Scale AT715-2500	2500	2698	7
539-815N	Linear Scale AT715-800	800	998	3,5	539-864N	Linear Scale AT715-2600	2600	2798	7
539-816N	Linear Scale AT715-900	900	1098	3,5	539-865N	Linear Scale AT715-2800	2800	2998	7
539-817N	Linear Scale AT715-1000	1000	1198	5	539-866N	Linear Scale AT715-3000	3000	3198	7

* extension cables sold separately



ABSOLUTE™



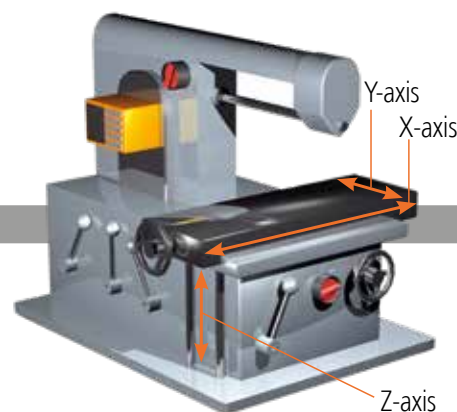
Max. traveling speed	Effective range	Accuracy
50 m/min	100 – 500 mm	$\pm 5 \mu\text{m}$
	600 – 1.800 mm	$\pm 7 \mu\text{m}$
	2.000 – 3.000 mm	$\pm 10 \mu\text{m}$

539-8XX-3

€ 1.597

3-axis KA-200 COUNTER plus three scales with max. 3.000 mm effective range

3-axis KA-200 COUNTER + three scales, max. effective range 3000 mm



WLI-Unit for Precise 3D Measurement

PROFILE AND ROUGHNESS DOWN TO THE NANOMETER

The White Light Interferometer (WLI) Unit combines the advantages of a non-touching and fast optical 3D sensor and profilometer by white light interferometry. The interferometer technology enables measurements of roughness and topography down to nanometer resolution. WLI components are flexible to use as separate OEM items or combined for integration in production environment and as a stand-alone table-top measurement system.

Discover our products:



WLI-Unit

- High-Accuracy: Non-contact 3D topography and roughness measurement.
- Stable: Height accuracy independent of magnification.
- Durable: Vibration-resistant, compact, and lightweight.



Objectives shown mounted on WLI-U are optional.

 Mitutoyo direct sales product only. For more information, please get in contact with your Mitutoyo subsidiary.

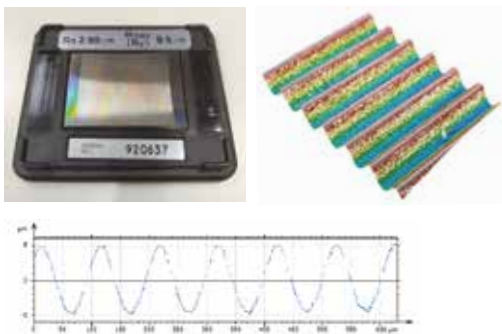
WLI Plan Apo

- Optimized Design: Matches WLI-Unit.
- Long Distance: 60 mm parfocal length.
- High Performance: High NA, resolution, and plan apochromat.
- Integrated: Beam splitter, reference mirror, and fringe adjustment.

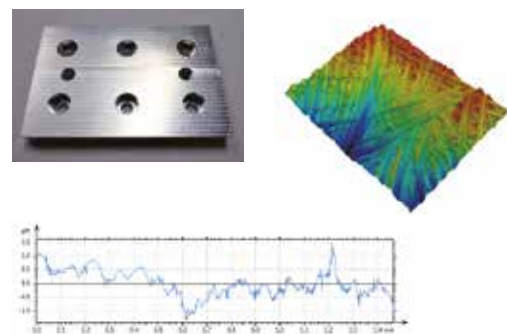


WLI Measurement Example

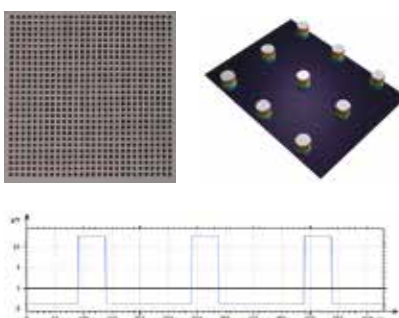
Roughness specimen 3 μm



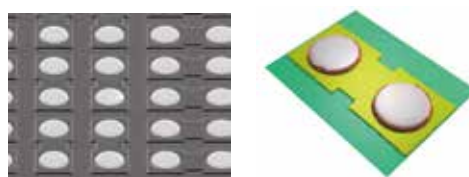
Metal machined surface (aluminum)



Cu pattern (glass substrate)



Semiconductor test pattern (TEG)



Provided by Walts Co., Ltd. and ASK INDEX

Objective lenses

Wide range of microscope units and objective lenses, based on Mitutoyo's proprietary optical technologies and precision processing technologies cultivated over many years.

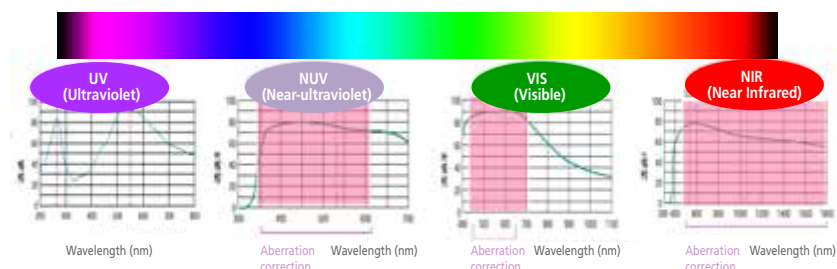
Objectives Characteristics

- Wavelength
- Resolution
- Working Distance
- Magnification
- Glass Compensation
- Bright- / Dark-field
- Laser Capability

Scan for more details:



Wavelength: VIS, NIR, NUV, UV



M Plan UV



M Plan Apo



M Plan Apo NUV

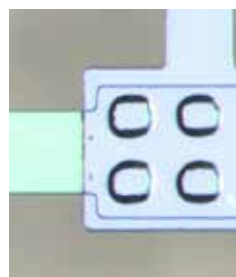


M Plan Apo NIR

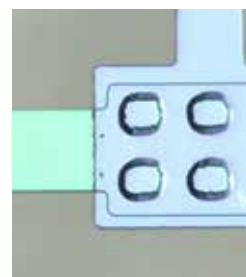
Resolution: HR Versions



M Plan Apo 5x /
M Plan Apo HR 5x



M Plan Apo 5x



M Plan Apo HR 5x

The lines are thin and transparent.

	NA	WD (mm)	R (μm)
M Plan Apo 5x	0.14	34	2
M Plan ApoHR 5x	0.21	27	1.3

Glass Compensation



M Plan Apo 20x
with BK7 (t=3.5 mm)



M Plan Apo 50x
with BK7 (t=3.5 mm)



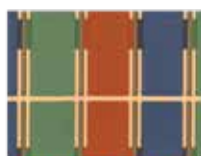
M Plan Apo NIR 50x
(t=1.1 mm)



G Plan Apo 20x
with BK7 (t=3.5 mm)

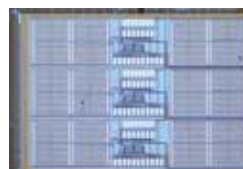


G Plan Apo 50x
with BK7 (t=3.5 mm)

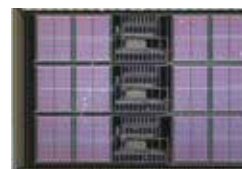


LCD Plan Apo NIR 50x
(t=1.1 mm)

Bright-/Darkfield



Bright-field



Dark-field

Customized Objectives

- NA, WD change
- Glass thickness compensation change
(G Plan Apo, LCD Plan Apo series)
- Transmittance change
- Vacuum compatible
- VMU modification
(Tube lens magnification change, camera port change) etc,
- New development



Mitutoyo direct sales product only. For more information, please get in contact with your Mitutoyo subsidiary.

Styli and Fixture Promotion

**Valid from October 1, 2025
until May 31, 2026**

Scan for
more details:



Discover our latest Styli & Fixtures promotion, designed to enhance precision and efficiency in your CMM and vision measuring processes. Experience ultra-flexible fixturing, fast setup, and quick base adjustments, all supported by our free Fixtu-reBuilder software for easy planning and repeatable setups. From CMM to vision measuring machines, our range of fixtures and MiSTAR-optimized accessories offers smarter, faster, and more reliable measurement solutions. Check out our promotion to learn more and see how these solutions can work for you.



Machine Tool Styli Promotion

**Valid from October 1, 2025
until May 31, 2026**

Explore the promotion of our M4 Machine Tool Styli, renowned for robustness, durability, and uncompromising quality. Engineered with precision-machined components and Grade 5 styli balls, they provide a reliable foundation for industrial quality assurance. Fully compatible and interchangeable with standard styli on the market, Mitutoyo styli deliver consistent performance and precision you can trust. Check out our promotion to learn more and take advantage of these high-quality styli for your measurement processes.

Scan for
more details:



QUICK VISION ACTIVE CNC SERIES

Scan for
more details:



Optical Coordinate Measuring Machine

PRECISION MATCHES PERFECTION

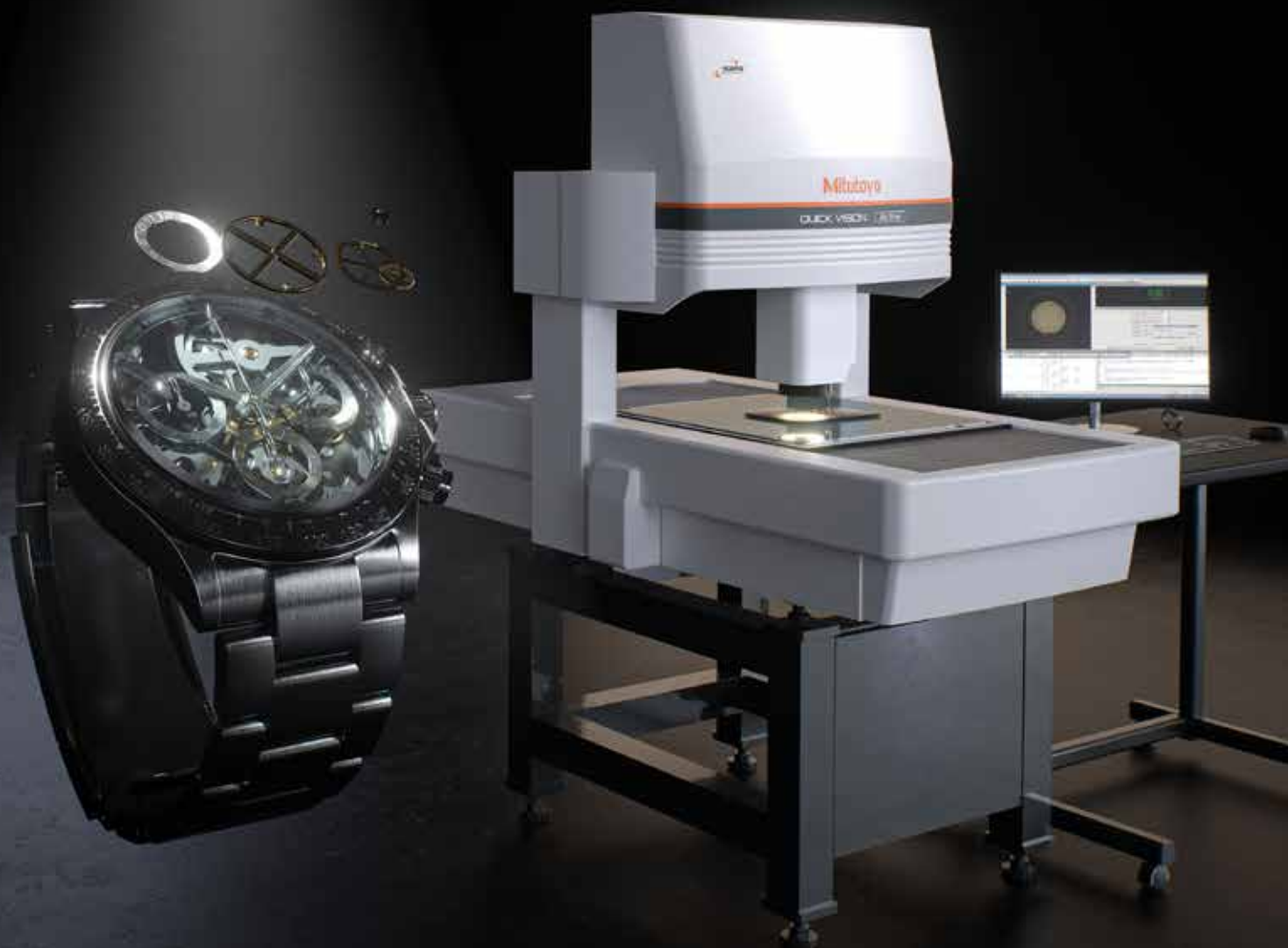
QV 202 Precision Bundle from

29.999 €*

Get insight into your quality with

- Excellent optics
- Powerful QVPAK software
- High efficiency

* Full Package contains content as described described on the promotion landing page. PC not included. Bundle price for QV 202 Model.



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CONTRACER CV-2100M4

Contour Measuring Machine

DESIGNED FOR PRECISION BUILT FOR COMFORT

Complete Kit Bundle from

18.550 €*

with cross-travel table and rotary vice

Ensures efficient measurement flow.
Designed for fast learning.

Scan for
more details:



Ready for production.

* Full Package contains content as described on the promotion landing page. PC not included.



Mitutoyo direct sales product only. For more information, please get in contact with your Mitutoyo subsidiary.

MiSTAR 555 CNC

Shopfloor Coordinate Measuring Machine

KAIZEN FOR EVERYBODY

Complete Kit Bundle from

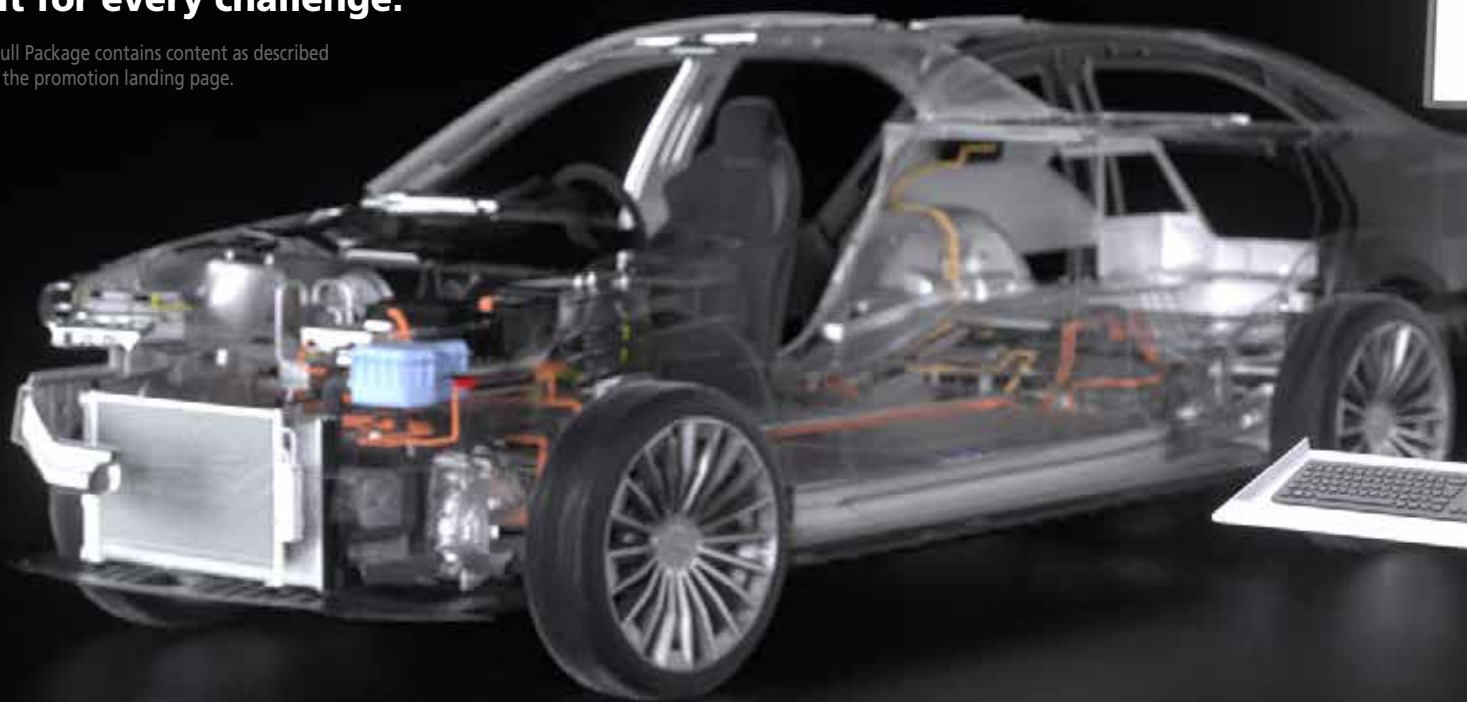
49.000 €*

Get insight into your quality with

- Fits every budget.
- Fits every shopfloor.
- Fits every condition.

Fit for every job.
Fit for every challenge.

* Full Package contains content as described on the promotion landing page.



 Mitutoyo direct sales product only. For more information, please get in contact with your Mitutoyo subsidiary.

Scan for
more details:





Action valid from Nov 1, 2025 until Jan 31, 2026. We reserve the right to make technical changes and developments; these prices only apply to business customers; all prices are understood to be net prices in EURO + VAT -further information is obtainable from www.mitutoyo.eu. Delivery and prices of products offered herein are valid while supplies last. Technical changes, mistakes, and printing errors excepted.

Coordinate Measuring Machines



Vision Measuring Systems



Form Measurement



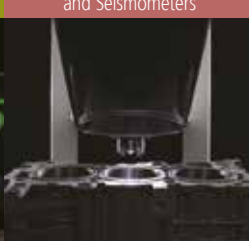
Optical Measuring



Sensor Systems



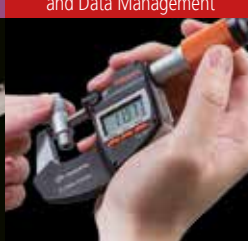
Test Equipment and Seismometers



Digital Scale and DRO Systems



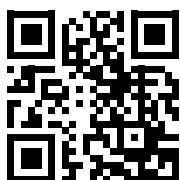
Small Tool Instruments and Data Management



Whatever your challenges are, Mitutoyo supports you from start to finish.

Mitutoyo is not only a manufacturer of top-quality measuring products, but also one that offers qualified support for the lifetime of the equipment backed up by comprehensive services, ensuring your staff can make the very best use of the investment.

Apart from the basics of calibration and repair, Mitutoyo offers product and metrology training, as well as IT support for the sophisticated software used in modern measuring technology. We can also design, build, test, and deliver bespoke measuring solutions and even, if deemed cost-effective, take your critical measurement challenges in-house on a sub-contract basis



Find additional product literature and our complete catalog here.

www.mitutoyo.ro

Note: Product illustrations are without obligation. Product descriptions, in particular any and all technical specifications, are only binding when explicitly agreed upon.

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