

Mitutoyo

PROMOTION!

FROM MARCH 25 THROUGH MAY 31, 2021

THE MITUTOYO PROMOTION



PRE1278

MeasurLink 9 – DATA COLLECTION AND REAL-TIME STATISTICAL PROCESS CONTROL

MeasurLink is designed to collect and unite all measurement data in one central database. Measurement results acquired via CMMs are automatically transferred into a SQL database and available for monitoring, analysis, or reporting in real-time.

MeasurLink Real-Time Professional Edition

> MeasurLink Real-Time Professional Edition enables customers to connect and acquire data from Mitutoyo Coordinate Measuring Machines, Vision, and Form Measuring Systems via native integration (DDE). ASCII and QMD (XML-based) file import are also supported.

MeasurLink Real-Time Professional 3D

> MeasurLink Real-Time Professional Edition additionally with hoops 3D support.

MeasurLink Process Analyzer

> Data Analysis Module Process Analyzer gives you the flexibility to analyze your processes, identify problem areas, and take corrective action to improve your product's quality.

MeasurLink Process Manager

> Network monitoring.

MeasurLink Gage Management

> Gauge inventory and calibration control.

MeasurLink Gage R & R

> Gauge repeatability and reproducibility.

No.	Designation	List price €
63AAA424	USB-Space Footswitch Interface	125,00

No. 64AAB607R

~~€ 1.850~~

Promo price: € 1.579



No.	Designation	List price €	Promotion price €
64AAB607R	(R)ML REAL-TIME PROFESSIONAL V9	1.850,00	1.579,00
64AAB608R	(R)ML REAL-TIME PROFESSIONAL 3D V9	2.055,00	1.749,00
64AAB609R	(R)ML PROCESS ANALYZER PROFESSIONAL V9	1.850,00	1.579,00
64AAB610R	(R)ML PROCESS MANAGER V9	1.850,00	1.579,00
64AAB611R	(R)ML GAGE R&R V9	1.011,00	869,00
64AAB612R	(R)ML GAGE MANAGEMENT V9	1.850,00	1.579,00
64AAB613R	(R)ML REPORT SCHEDULER V9	1.850,00	1.579,00

Additional Site / Workgroup licenses

No.	Designation	List price €	Promotion price €
64AAB614R	(R)ML SITE LICENSE V9, 30 LICENSES	20.595,00	17.499,00
64AAB615R	(R)ML WORKGROUP LICENSE V9, 15 LICENSES	11.325,00	9.699,00
64AAB617R	(R)ML WORKGROUP LICENSE V9, 10 LICENSES	8.235,00	6.999,00
64AAB618R	(R)ML WORKGROUP LICENSE V9, 5 LICENSES	5.145,00	4.399,00

Additional Floating licenses for Workgroup licenses

No.	Designation	List price €	Promotion price €
64AAB614FR	(R)ML FLOATING LICENSE V9, 30 LICENSES	10.297,00	8.759,00
64AAB615FR	(R)ML FLOATING LICENSE V9, 15 LICENSES	5.662,00	4.899,00
64AAB617FR	(R)ML FLOATING LICENSE V9, 10 LICENSES	4.117,00	3.499,00
64AAB618FR	(R)ML FLOATING LICENSE V9, 5 LICENSES	2.320,00	2.199,00

All prices exclude training & installation.

USB INPUT TOOL / USB INPUT TOOL DIRECT

- > These devices allow for direct connection of DIGIMATIC measuring instruments to a USB interface without the need for additional software.
- > Measurement data is converted into keyboard codes, enabling interaction with any program using keyboard entries (HID).
- > You can also connect the box type as well as the cable-integrated type to a PC USB port with a fixed COM assignment in Microsoft® Windows® as a channel identification (VCP). The USB-ITPAK software contains the driver for the virtual COM port (VCP).



USB-ITPAK also supports the Mitutoyo wireless data transfer system U-WAVE.



USB INPUT TOOL
Box type equipped with a built-in data switch and an add-on foot switch terminal



USB INPUT TOOL DIRECT
Slimline, cable-integrated type



FOOTSWITCH 937179T
incl. USB footswitch adapter 06ADV384 (requires USB-ITPAK software)



USB INPUT TOOL with optional accessories

No. 264-016-10

~~€ 219~~

Promo price: € 169

Scan QR Code with your mobile device and watch our product videos on YouTube



06AFM386:
USB-ITPAK AND USB DONGLE

USB-ITPAK V 2.1 creates a procedure to input data from gauges equipped with DIGIMATIC output to Excel® sheets via:

- A part manager automatically opening an Excel® sheet.
- Entering sequence specified.
- Input range specified per DIGIMATIC gauge, reducing improper input.
- This software is compatible with:
 - USB INPUT TOOL DIRECT
 - USB INPUT TOOL
 - U-WAVE SYSTEM



USB INPUT TOOL DIRECT with optional accessories

No. 06AFM380C

~~€ 107~~

Promo price: € 81,90

No.	Remarks	List price €	Promotion price €
264-016-10	Interface box (requires additional DIGIMATIC cable) with data button (Ø18 mm) and footswitch connector	219,00	169,00
06AFM380A	High-grade IP protected model with data key (e.g. IP67 Caliper)	122,00	93,90
06AFM380B	High-grade IP protected model with data key (e.g. IP65 Micrometer)	122,00	93,90
06AFM380C	With data key (e.g. ABSOLUTE DIGIMATIC Caliper)	107,00	81,90
06AFM380D	10 pin, simple model (e.g. ID-F Indicator)	107,00	81,90
06AFM380E	6 pin, round model (e.g. digital caliper gauge)	107,00	81,90
06AFM380F	Simple, straight model (e.g. ID-C Indicator)	107,00	81,90
06AFM380G	High-grade IP protected dial indicator (e.g. ID-N Indicator)	107,00	81,90
937179T	Footswitch	47,00	—
06ADV384	USB footswitch adapter	110,00	82,90
06AFM386	USB-ITPAK V2.1 software for using Excel® for data collection	253,00	199,00

See page 2: Data collection and real-time Statistical Process Control software MeasurLink

U-WAVE AND U-WAVE fit – WIRELESS DATA TRANSMISSION SYSTEM

- > Approx. 20 m (within visible range).
- > Communication frequency: 2,4GHz wireless system for reliable and secure data transmission.
- > Easy data export to Microsoft® Excel® or other professional SPC software applications like Mitutoyo MeasurLink.
- > Transmitter confirms data transfer via buzzer sound or a red/ green LED signal.
- > An IP67 transmitter is available.
- > Low power consumption: 400.000 data transmissions with one battery.



No. 02AZD810D

~~€ 324~~

Promo price: € 219

U-WAVE-R



For micrometers U-WAVE-TM
with connection unit



U-WAVE fit



For calipers U-WAVE-TC
with connection unit



U-WAVE fit



For miscellaneous measuring
instruments U-WAVE-T
with connection cable

U-WAVE-T is connected to a Digimatic gauge
with a dedicated cable that mates with the
data connector on that particular gauge.

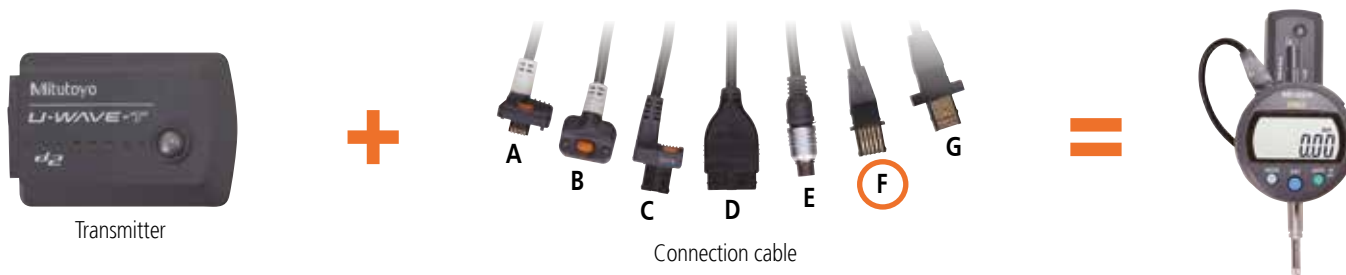




U-WAVE-TC/TM (transmitter) for caliper and micrometer

No.	Model	Measuring Instrument*	Remarks	Data reception indication	List price €	Promotion price €
264-620	U-WAVE-TC	100, 150, 200, 300 mm IP67 caliper/standard caliper	IP67 type	LED	163,00	139,00
264-621	U-WAVE-TC	100, 150, 200, 300 mm IP67 caliper/standard caliper	Buzzer type	Buzzer/LED	163,00	139,00
264-622	U-WAVE-TM	COOLANT PROOF (IP65) micrometer	IP67 type	LED	163,00	139,00
264-623	U-WAVE-TM	COOLANT PROOF (IP65) micrometer	Buzzer type	Buzzer/LED	163,00	139,00
02AZF310	Connection unit	IP67 caliper/COOLANT PROOF (IP65) micrometer	Waterproof type	–	97,00	69,90
02AZF300	Connection unit	Standard caliper	Standard type	–	92,00	69,90

* For details regarding connectable measuring instruments please contact Mitutoyo or distributor



U-WAVE-T (transmitter) for miscellaneous measuring instruments

No.	Model	Measuring Instrument	Remarks	Data reception identification	List price €	Promotion price €
02AZD730G	U-WAVE-T	e.g. Carbon Fibre Caliper, Holtest, Digital Indicator, Height Gauge, Borematic, Surftest, Quickmike	IP67 type	LED	163,00	119,00
02AZD880G	U-WAVE-T	e.g. Carbon Fibre Caliper, Holtest, Digital Indicator, Height Gauge, Borematic, Surftest, Quickmike	Buzzer type	Buzzer/LED	163,00	119,00
02AZD790A	Connection cable with data switch	e.g. IP 66 Carbon Fibre Caliper	Waterproof type		97,00	59,90
02AZD790B	Connection cable with data switch	e.g. IP 65 Holtest, Quickmike (new model see page 8)	Waterproof type		97,00	59,90
02AZD790C	Connection cable with data switch	e.g. Digital Indicator (ID-C, ID-S, ID-U), Height Gauge, Borematic	Standard type		92,00	49,90
02AZD790D	Connection cable	e.g. Digital Indicator ID-H, ID-F, Surftest SJ-210, and SJ-310	Standard type		87,00	49,90
02AZD790E	Connection cable	e.g. Digital Caliper Gauge Series 209	Standard type		87,00	49,90
02AZD790F	Connection cable	e.g. Digital Indicator (ID-C, ID-S, ID-U), Height Gauge, Borematic	Standard type		87,00	49,90
02AZD790G	Connection cable	e.g. IP66 Digital Indicator ID-N, ID-B	Waterproof type		92,00	49,90

U-WAVE-R (receiver)

No.	Remarks	Software	Number of U-WAVE-R units that can be connected to PC	Number of U-WAVE-Transmitter that can be connected	List price €	Promotion price €
02AZD810D	U-WAVE-R + software	U-WAVE PAK	Up to 16	Up to 100	324,00	219,00

Optional accessories for wireless transmission system

No.	Designation	List price €	Promotion price €
06AFM386	USB-ITPAK V 2.1 software for using Excel® for data collection	253,00	199,00

See page 2: Data collection and real-time Statistical Process Control software MeasurLink

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U-WAVE Bluetooth – EASY WIRELESS DATA TRANSMISSION SYSTEM

- > Approx. 10 m (within visible range).
- > Easy data export to Microsoft® Excel®.
- > Transmitter confirms data transfer via buzzer sound or a red/green LED signal.
- > An IP67 transmitter is available.
- > Low power consumption: 200.000 data transmissions with one battery, when connected to a mobile device (tablet, smartphone, etc.), and 50.000 data transmissions with one battery, when connected to a PC.

FOR PC U-WAVEPAK-BW

- > Connection management, data reception (BLE), event-driven configuration, virtual COM port communication
- > 7 units can be connected
- > Supports Windows 10; list of supported builds available on www.mitutoyo.eu
- > Available in Japanese and English



U-WAVEPAK-BM FOR ANDROID AND IOS

- > Connection management, data reception (BLE), data request, data logger function, data output (CSV/DAT), tolerance judgment (display), graph, histogram



U-WAVE Navi FOR ANDROID:

- > Connection management, data reception (BLE), data logger function, data output (CSV/DAT), measurement task navigation, creating a measurement task, user identification by NFC



For micrometers U-WAVE-TMB with connection unit



For calipers U-WAVE-TCB with connection unit



U-WAVE-TCB/TMB (transmitter) for calipers and micrometers

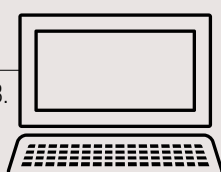
No.	Model	Measuring Instrument*	Remarks	Data reception indication	List price €	Promotion price €
264-624	U-WAVE-TCB	100, 150, 200, 300 mm IP67 caliper/standard caliper	IP67 type	LED	163,00	139,00
264-625	U-WAVE-TCB	100, 150, 200, 300 mm IP67 caliper/standard caliper	Buzzer type	Buzzer/LED	163,00	139,00
264-626	U-WAVE-TMB	COOLANT PROOF (IP65) micrometer	IP67 type	LED	163,00	139,00
264-627	U-WAVE-TMB	COOLANT PROOF (IP65) micrometer	Buzzer type	Buzzer/LED	163,00	139,00
02AZF310	Connection unit	IP67 caliper/COOLANT PROOF (IP65) micrometer	Waterproof type	–	97,00	69,90
02AZF300	Connection unit	Standard caliper	Standard type	–	92,00	69,90

* For details regarding connectable measuring instruments please contact Mitutoyo or distributor

Receiver

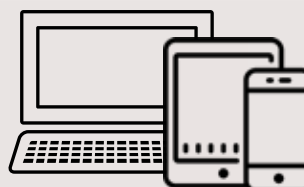
PC (for storing data)

Data uploaded to the PC via USB.



Device (for storing data)

Data uploaded to the PC, tablet, or smartphone via Bluetooth.



U-WAVE-R



NOT COMPATIBLE

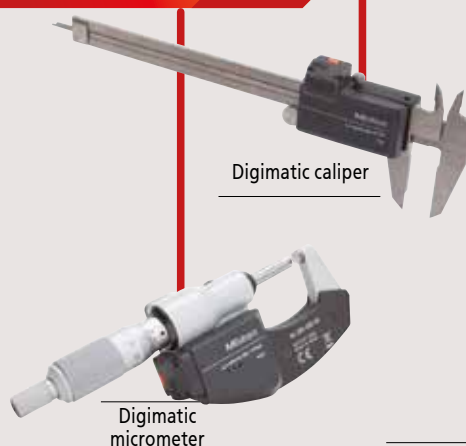
Transmitters



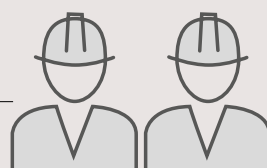
COMPATIBLE



Digimatic gauges



Operators



AFFORDABLE CALIPER AND MICROMETER SETS & BUNDLES

Take advantage and buy our top products in a premade set for an even better deal!

> Sets (No. PROMOXXX) are delivered as single products.

> Bundles (No. 500-961-30, 500-916-20, and 293-970) are delivered in a single package.

Caliper+Micrometer Sets (w/o data output)

No.	Designation	List price €	Promotion price €
PROMO001	Vernier Caliper 150 mm	77,00	57,90
	Outside Micrometer Economy Design 0-25 mm		
PROMO002	Digital ABS AOS Caliper 150 mm	264,00	199,00
	Digital Micrometer 0-25 mm		
PROMO003	Digital ABS Caliper Coolant Proof IP67 150 mm	385,00	289,00
	Digital Micrometer QuantuMike IP65 0-25 mm		

No. PROMO001

~~€ 77~~

Promo price: € 57,90

No. PROMO002

~~€ 264~~

Promo price: € 199

No. PROMO003

~~€ 385~~

Promo price: € 289

U-WAVE fit Sets*

No.	Designation	List price €	Promotion price €
PROMO005	Digital ABS AOS Caliper 150 mm	394,00	299,00
	U-WAVE-TC incl. Connection Unit		
PROMO006	Digital ABS Caliper Coolant Proof IP67 150 mm	474,00	359,00
	U-WAVE-TC incl. Connection Unit		
PROMO007	Digital Micrometer IP65 0-25 mm	517,00	399,00
	U-WAVE-TM incl. Connection Unit		
PROMO008	Digital Micrometer QuantuMike IP65 0-25 mm	570,00	429,00
	U-WAVE-TM incl. Connection Unit		

* U-WAVE-R receiver (sold separately) is necessary to receive data on a PC. Please see page 4.

U-WAVE Bluetooth Sets & Bundles

No.	Designation	List price €	Promotion price €
500-961-30	Digital ABS AOS Caliper 150 mm	391,00	279,00
	U-WAVE-TCB incl. Connection Unit		
500-916-20	Digital ABS Caliper Coolant Proof IP67 150 mm	511,00	299,00
	U-WAVE-TCB incl. Connection Unit		
293-970	Digital Micrometer IP65 0-25 mm	469,00	309,00
	U-WAVE-TMB incl. Connection Unit		
PROMO004	Digital Micrometer QuantuMike IP65 0-25 mm	570,00	419,00
	U-WAVE-TMB incl. Connection Unit		

SAVE

UP TO 41%

ON OUR SPECIAL SETS AND BUNDLES!

No. PROMO005

~~€ 394~~

Promo price: € 299



500-161-30



Transmitter*



Connection Unit

U-WAVE^{fit}

* U-WAVE-R receiver (sold separately) is necessary to receive data on a PC. Please see page 4.

No. PROMO006

~~€ 474~~

Promo price: € 359



500-716-20



Transmitter*



Connection Unit

U-WAVE^{fit}

* U-WAVE-R receiver (sold separately) is necessary to receive data on a PC. Please see page 4.

No. PROMO007

~~€ 517~~

Promo price: € 399



293-230-30



Transmitter*



Connection Unit

U-WAVE^{fit}

* U-WAVE-R receiver (sold separately) is necessary to receive data on a PC. Please see page 4.

No. PROMO008

~~€ 570~~

Promo price: € 429



293-140-30



Transmitter*



Connection Unit

U-WAVE^{fit}

* U-WAVE-R receiver (sold separately) is necessary to receive data on a PC. Please see page 4.

No. 500-961-30

~~€ 391~~

Promo price: € 279



500-161-30



Transmitter



Connection Unit

U-WAVE

No. 500-916-20

~~€ 511~~

Promo price: € 299



500-716-20



Transmitter



Connection Unit

U-WAVE

No. 293-970

~~€ 469~~

Promo price: € 309



293-230-30



Transmitter



Connection Unit

U-WAVE

No. PROMO004

~~€ 570~~

Promo price: € 419



293-140-30



Transmitter



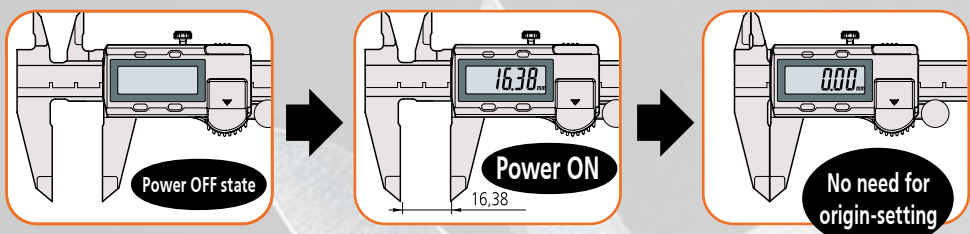
Connection Unit

U-WAVE

Benefits of ABSOLUTE! AOS! DIGIMATIC Caliper

- >Thanks to the adoption of the electromagnetic induction type ABS encoder, this caliper can be used without concern for contamination on the scale face during measurement. This keeps the detection signal unaffected by dirt (water, oil, etc.) on the scale surface.
- >Character Height: 9 mm (alleviation of fatigue with the high-contrast LCD)
- >A battery life of approximately 3,5 years (18.000 h) has been achieved under normal use through the adoption of Mitutoyo's ABSOLUTE scale.
- >The slider provides smooth, stable, and comfortable operation.
- >The data output function allows integration into statistical process control and measurement systems.
- >The ABS (absolute) scale requires no origin setting after power-on and also has no limit to response speed.

ABSOLUTE®



An inspection certificate is included standard with each caliper.



No. 500-181-30

~~€ 112~~

Promo price: € 82,90

No.	Range [mm]	Accuracy* [mm]	Data output	Depth bar	Remarks	Certificate of inspection	List price €	Promotion price €
500-184-30	0-150	± 0,02		Round	Depth bar Ø1,9 mm rod	■	112,00	82,90
500-181-30	0-150	± 0,02		Flat	Standard digital type	■	112,00	82,90
500-182-30	0-200	± 0,02		Flat	Standard digital type	■	177,00	139,00
500-161-30	0-150	± 0,02	■	Flat	Standard digital type	■	139,00	99,90
500-162-30	0-200	± 0,02	■	Flat	Standard digital type	■	198,00	149,00

* Excluding quantizing error

U-WAVE Bluetooth and U-WAVE fit compatible

Optional accessories: See Page 12 (IP67 Coolant Proof Calipers)

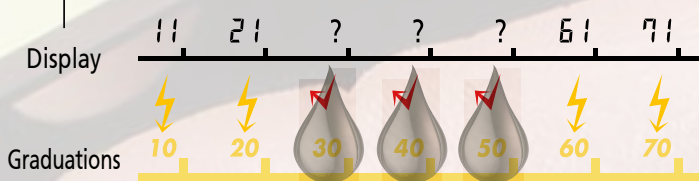
Electromagnetic Induction Type Absolute Encoder

Detection signal is not affected by dirt (water, oil, etc.) on the surface of a scale.



Electromagnetic Capacitance Absolute Encoder

Detection signal is affected by dirt (water, oil, etc.) on the surface of a scale.



Functions of ABSOLUTE! AOS! DIGIMATIC Caliper

> ABS (absolute) measurement function:

Enables absolute-mode measurement to be started without any zero-setting after switch-on. The absolute origin position can be set, or reset, with the ORIGIN switch at any time.

> INC (incremental) measurement function:

Enables the display value to be set to zero, temporarily, at the current slider position to enable easy incremental-mode measurement.

> Low battery alarm:

Indicates (with a 'B' symbol in the display) that the battery needs replacing. This allows timely battery replacement before the caliper becomes unusable.

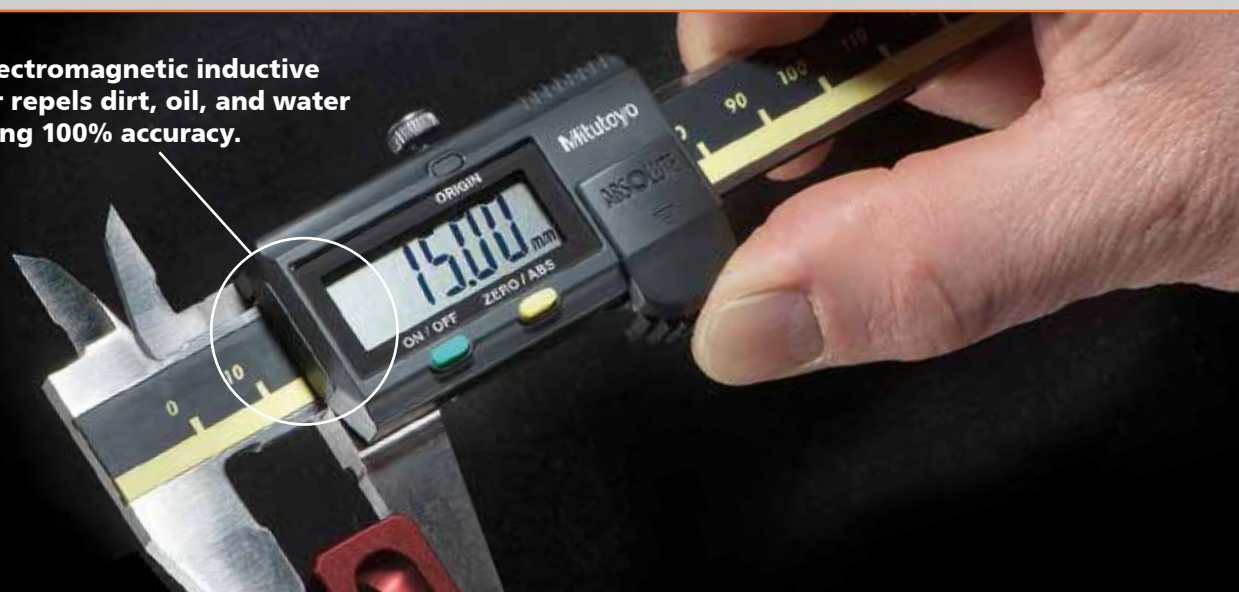
> External output function:

Allows measurement data to be exported using the optional data cable.

> Hold function:

Allows a display value to be held using the optional Data Hold unit. (This function cannot be used along with the external output function.)

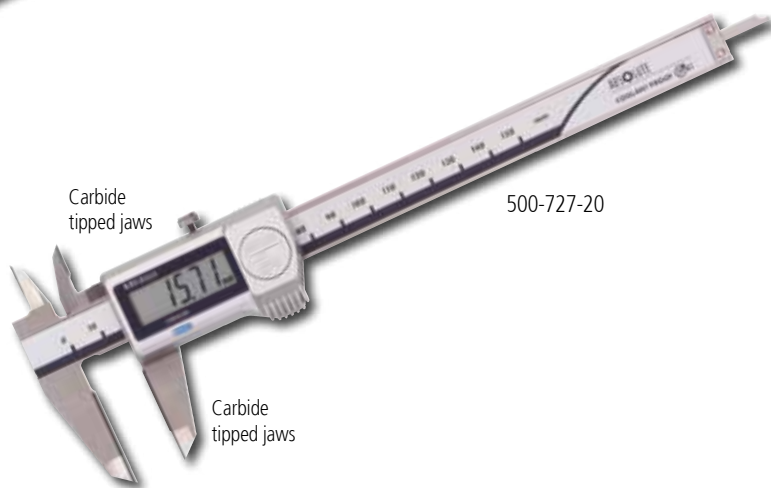
The electromagnetic inductive sensor repels dirt, oil, and water ensuring 100% accuracy.



No. 500-706-20

~~€ 166~~

Promo price: € 129



Carbide
tipped jaws

500-727-20

Carbide
tipped jaws

No.	Range [mm]	Accuracy* [mm]	Data output	Depth bar	Remarks	Certificate of inspection	List price €	Promotion price €
500-706-20	0-150	± 0,02		Flat	IP67 Coolant Proof	■	166,00	129,00
500-707-20	0-200	± 0,02		Flat	IP67 Coolant Proof	■	232,00	179,00
500-716-20	0-150	± 0,02	■	Flat	IP67 Coolant Proof	■	214,00	159,00
500-717-20	0-200	± 0,02	■	Flat	IP67 Coolant Proof	■	272,00	199,00
500-727-20	0-150	± 0,02	■	Flat	IP67 with carbide tipped jaws inside and outside	■	426,00	-
500-728-20	0-200	± 0,02	■	Flat	IP67 with carbide tipped jaws inside and outside	■	485,00	-

* Excluding quantizing error

U-WAVE Bluetooth and U-WAVE fit compatible

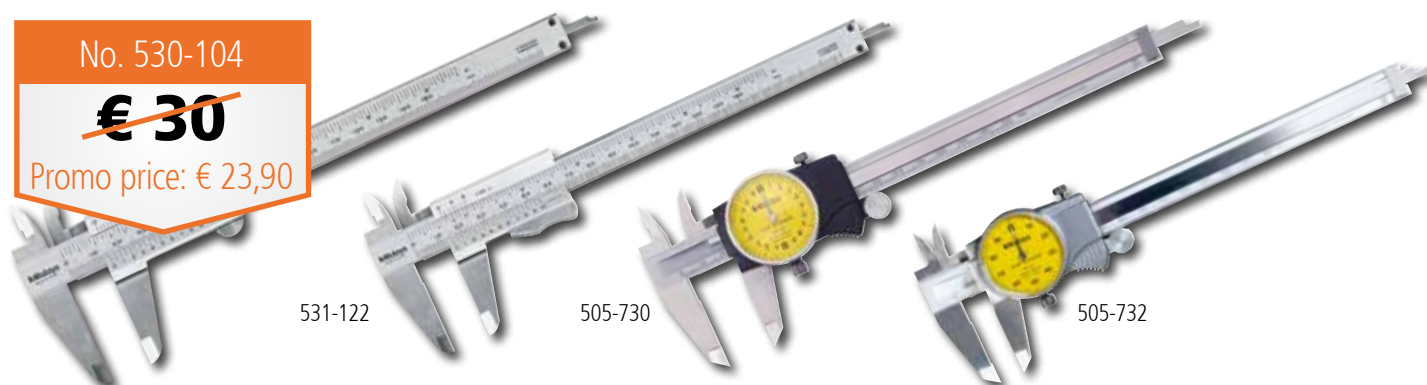
Optional accessories

No.	Designation	Remarks	List price €	Promotion price €
264-620	U-WAVE fit Wireless transmitter	IP67 type	163,00	139,00
264-621	U-WAVE fit Wireless transmitter	Buzzer type	163,00	139,00
264-624	U-WAVE Bluetooth Wireless transmitter	IP67 type	163,00	139,00
264-625	U-WAVE Bluetooth Wireless transmitter	Buzzer type	163,00	139,00
02AZF310	U-WAVE Connection unit	For IP67 caliper	97,00	69,90
02AZF300	U-WAVE Connection unit	For standard caliper	92,00	69,90
959149	DIGIMATIC cable with data switch (1m)	For standard caliper	42,00	-
959150	DIGIMATIC cable with data switch (2m)	For standard caliper	49,00	-
06AFM380C	USB Input Tool Direct Cable with data switch (2m)	For standard caliper	107,00	81,90
05CZA624	DIGIMATIC cable with data switch (1m)	For IP67 caliper	88,00	-
05CZA625	DIGIMATIC cable with data switch (2m)	For IP67 caliper	92,00	-
06AFM380A	USB Input Tool Direct Cable with data switch (2m)	For IP67 caliper	122,00	93,90

No. 530-104

~~€ 30~~

Promo price: € 23,90



531-122

505-730

505-732

No.	Range [mm/inch]	Graduation [mm/inch]	Accuracy [mm]	Remarks	List price €	Promotion price €
530-101	0-150	0,05	± 0,05	Vernier type	30,00	23,90
530-104	0-150/0-6"	0,05/ ¹ / ₁₂₈ "	± 0,05	Vernier type	30,00	23,90
530-108	0-200	0,05	± 0,05	Vernier type	78,00	57,90
530-109	0-300	0,05	± 0,08	Vernier type	188,00	149,00
530-122	0-150	0,02	± 0,03	Vernier type	36,00	27,90
530-123	0-200	0,02	± 0,03	Vernier type	60,00	43,90
530-124	0-300	0,02	± 0,04	Vernier type	188,00	139,00
531-122*	0-150/0-6"	0,05/ ¹ / ₁₂₈ "	± 0,05	Vernier type	37,00	29,90
505-730	0-150	0,02	± 0,03	Dial type	101,00	79,90
505-732	0-150	0,01	± 0,02	Dial type	114,00	89,90
505-733	0-200	0,01	± 0,03	Dial type	221,00	169,00

* With thumb clamp

No. 571-201-30

~~€ 336~~

Promo price: € 269



571-302-20

571-252-20

No.	Range [mm]	Graduation [mm]	Accuracy [mm]	Remarks	List price €	Promotion price €
571-201-30	0-150	0,01	± 0,02*	Standard digital type	336,00	269,00
571-202-30	0-200	0,01	± 0,02 *	Standard digital type	403,00	319,00
571-301-20	0-150	0,01	± 0,03 *	IP67 Coolant Proof digital type with pin	460,00	329,00
571-302-20	0-200	0,01	± 0,03 *	IP67 Coolant Proof digital type with pin	518,00	379,00
571-251-20	0-150	0,01	± 0,02 *	IP67 Coolant Proof digital type	387,00	299,00
571-252-20	0-200	0,01	± 0,02 *	IP67 Coolant Proof digital type	449,00	349,00

* Excluding quantizing error

U-WAVE Bluetooth and U-WAVE fit compatible

Optional accessories: See Page 12 (IP67 Coolant Proof Calipers)



293-140-30



293-666-20

No. 293-230-30
~~€ 257~~
 Promo price: € 199



293-100-10

No.	Range [mm]	Accuracy* [μm]	Data output	Digital Step [mm]	Remarks	List price €	Promotion price €
293-100-10	0-25	± 0,5	■	0,0001/0,0005	High Accuracy Digital Micrometer	1.644,00	1.299,00
293-230-30	0-25	± 1	■	0,001	IP65, standard type	257,00	199,00
293-231-30	25-50	± 1	■	0,001	IP65, standard type	303,00	239,00
293-140-30	0-25	± 1	■	0,001	QuantuMike IP65, with 2 mm spindle pitch	310,00	229,00
293-146-30	25-50	± 1		0,001	QuantuMike IP65, with 2 mm spindle pitch	302,00	239,00
293-147-30	50-75	± 1		0,001	QuantuMike IP65, with 2 mm spindle pitch	362,00	289,00
293-148-30	75-100	± 2		0,001	QuantuMike IP65, with 2 mm spindle pitch	411,00	319,00
293-666-20	0-30	± 2	■	0,001	Quickmike IP65, 10 mm feed per revolution	480,00	369,00
293-667-20	25-55	± 2	■	0,001	Quickmike IP65, 10 mm feed per revolution	565,00	399,00

* Excluding quantizing error

U-WAVE Bluetooth and U-WAVE fit compatible

Optional accessories

No.	Designation	Remarks	List price €	Promotion price €
264-622	U-WAVE fit Wireless transmitter	IP65 type (except Quickmike)	163,00	139,00
264-623	U-WAVE fit Wireless transmitter	Buzzer type (except Quickmike)	163,00	139,00
264-626	U-WAVE Bluetooth Wireless transmitter	IP65 type (except Quickmike)	163,00	139,00
264-627	U-WAVE Bluetooth Wireless transmitter	Buzzer type (except Quickmike)	163,00	139,00
02AZF310	U-WAVE connection unit	For IP65 micrometer (except Quickmike)	97,00	69,90
05CZA662	DIGIMATIC cable with data switch (1m)	For micrometer	91,00	—
05CZA663	DIGIMATIC cable with data switch (2m)	For micrometer	92,00	—
06AFM380B	USB Input Tool Direct Cable with data switch (2m)	For micrometer	122,00	93,90
156-101-10	Micrometer Stand	Adjustable angle type up to 100 mm range	57,00	45,90

No. 103-137

~~€ 47~~

Promo price: € 37,90



103-138



103-140-10



103-139-10



193-101



523-121



No.	Range [mm]	Accuracy [μm]	Remarks	List price €	Promotion price €
103-137	0-25	± 2		47,00	37,90
103-138	25-50	± 2		67,00	54,90
103-139-10	50-75	± 2		89,00	69,90
103-140-10	75-100	± 3		97,00	74,90
193-101	0-25	± 2	Digit outside micrometer	125,00	99,90
193-102	25-50	± 2	Digit outside micrometer	189,00	149,00
523-121	0-25	1	Indicating snap gauge	583,00	459,00





543-505B



543-390B



543-470B



543-490B



543-590B

No. 543-781B

~~€ 149~~

Promo price: € 119

No.	Range [mm]	Digital step [mm]	Accuracy* [mm]	Power supply	Remarks	List price €	Promotion price €
543-781B	12,7	0,01	0,02	Battery SR44	Economy type	149,00	119,00
543-505B	12,7	0,01	0,02	Solar powered from 40 Lux	Economy type	152,00	119,00
543-790B	12,7	0,001	0,003	Battery SR44	Economy type	306,00	249,00
543-400B	12,7	0,01	0,02	Battery SR44	Standard type with tol. function, 330° rotary display	266,00	199,00
543-390B	12,7	0,01/0,001	0,003	Battery SR44	Standard type with tol. function, 330° rotary display	351,00	249,00
543-470B	25,4	0,01/0,001	0,003	Battery SR44	Standard type with tol. function, 330° rotary display	422,00	329,00
543-490B	50,8	0,01/0,001	0,005	Battery SR44	Standard type with tol. function, 330° rotary display	636,00	499,00
543-590B	25,4	0,001	0,003	Battery CR2032	Calculation type (Ax + B + Cx ⁻¹), 330° rotary display	624,00	489,00
543-595B	50,8	0,001	0,006	Battery CR2032	Calculation type (Ax + B + Cx ⁻¹), 330° rotary display	749,00	589,00

* Excluding quantizing error

Optional accessories

No.	Designation	Remarks	List price €	Promotion price €
02AZD730G	U-WAVE wireless transmitter	IP67 type	163,00	119,00
02AZD880G	U-WAVE wireless transmitter	Buzzer type	163,00	119,00
02AZD790F	U-WAVE connection cable	For indicator	87,00	49,90
905338	DIGIMATIC cable (1 m)	For indicator	32,00	—
905409	DIGIMATIC cable (2 m)	For indicator	38,00	—
06AFM380F	USB Input Tool Direct Cable (2 m)	For indicator	107,00	81,90
21EZA198	Spindle lifting lever	For indicator (except 575-121)	10,00	—
21JZA295	Spindle lifting cable (500 mm)	For indicator	On request	—

No. 1044SB

~~€ 54~~

Promo price: € 42,90



HURRY WHILE STOCKS LAST!

IP64



2046SB-60

HURRY WHILE STOCKS LAST!



2310SB-10

HURRY WHILE STOCKS LAST!



2110SB-10

HURRY WHILE STOCKS LAST!



513-401-10E

No.	Range [mm]	Graduation [mm]	Design	Scale	Stylus length [mm]	Remarks	List price €	Promotion price €
1044SB*	5	0,01	Dial indicator	0-100 (100-0)		Small type, bezel diameter D=40 mm	54,00	42,90
2046SB-60*	10	0,01	Dial indicator	0-100(100-0)		IP64	122,00	95,90
2310SB-10*	10	0,01	Dial indicator	0-100(100-0)		Coaxial revolution counter	67,00	50,90
2110SB-10*	1	0,001	Dial indicator	0-100(100-0)		Shockproof	118,00	89,90
513-401-10E	0,14	0,001	Dial test indicator basic set	0-70-0	11,2	Including Ø8 mm stem, Ø2 mm carbide stylus tip	153,00	119,00

* Only limited stocks available!

EN ISO 9493/EN ISO 463

No.	Error of indicator over a range of					
	Any 10 scale divisions/ any 1/10 revolution [µm]	Any half revolution [µm]	Any full revolution [µm]	Measuring range [µm]	Hysteresis [µm]	Repeatability [µm]
1044SB	5	9	10	13	3	3
2046SB-60	5	9	10	13	3	3
2310SB-10	5	9	10	13	3	3
2110SB-10	2,5	4	4,5	5	2	1
513-401-10E	2	3	-	3	2	1
513-404-10E	5	6	-	8	3	3



No. 513-908-10E

~~€ 137~~

Promo price: € 99,90

No.	Content includes	List price €	Promotion price €
513-908-10E	513-404-10E: Lever indicator 7014: Mini magnetic stand	137,00	99,90



No. 468-983

~~€ 3.242~~

Promo price: € 2.499



No. 568-364

~~€ 1.230~~

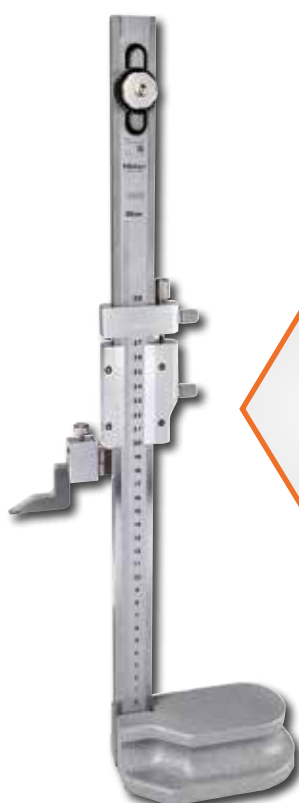
Promo price: € 919

No.	Range [mm]	Design	Accuracy* [μm]	Digital Step [mm]	Remarks	List price €	Promotion price €
468-982	12–25	Digital 3-point micrometer set	± 2 (12–20 mm) ± 3 (20–25 mm)	0,001	Incl. 3 IP65 micrometer, 2 setting rings	3.077,00	2.399,00
468-983	25–50	Digital 3-point micrometer set	± 3	0,001	Incl. 3 IP65 micrometer, 2 setting rings	3.242,00	2.499,00
468-984	50–75	Digital 3-point micrometer set	± 3	0,001	Incl. 2 IP65 micrometer, 1 setting ring	2.550,00	1.999,00
468-985	75–100	Digital 3-point micrometer set	± 3	0,001	Incl. 2 IP65 micrometer, 1 Setting ring	3.090,00	2.199,00
568-364	12–16	Digital ABS Borematic	± 5	0,001	Including box, key, certificate of inspection	1.230,00	919,00
568-365	16–20	Digital ABS Borematic	± 5	0,001	Including box, key, certificate of inspection	1.230,00	919,00
568-366	20–25	Digital ABS Borematic	± 6	0,001	Including box, key, certificate of inspection	1.311,00	929,00
568-367	25–30	Digital ABS Borematic	± 6	0,001	Including box, key, certificate of inspection	1.311,00	929,00
568-368	30–40	Digital ABS Borematic	± 6	0,001	Including box, key, certificate of inspection	1.423,00	999,00
568-369	40–50	Digital ABS Borematic	± 6	0,001	Including box, key, certificate of inspection	1.423,00	999,00

* Excluding quantizing error

Optional accessories

No.	Designation	Remarks	List price €	Promotion price €
02AZD730G	U-WAVE wireless transmitter	IP67 type	163,00	119,00
02AZD880G	U-WAVE wireless transmitter	Buzzer type	163,00	119,00
02AZD790B	U-WAVE connection cable	For IP65 3-point internal micrometer	97,00	59,90
02AZD790F	U-WAVE connection cable	For 3-point Borematic	87,00	49,90
905338	DIGIMATIC cable (1 m)	For 3-point Borematic	32,00	–
905409	DIGIMATIC cable (2 m)	For 3-point Borematic	38,00	–
06AFM380F	USB Input Tool Direct Cable (2 m)	For 3-point Borematic	107,00	81,90
05CZA662	DIGIMATIC cable (2 m)	For IP65 3-point internal micrometer	91,00	–
05CZA663	DIGIMATIC cable (2 m)	For IP65 3-point internal micrometer	92,00	–
06AFM380B	USB Input Tool Direct Cable (2 m)	For IP65 3-point internal micrometer	122,00	93,90



No. 514-102

€ 426

Promo price: € 319



570-302

No.	Range [mm]	Design	Graduation [mm]	Accuracy [μm]	List price €	Promotion price €
514-102	0-300	Vernier height gauge with scribe	0,02	± 40	426,00	319,00
514-104	0-450	Vernier height gauge with scribe	0,02	± 50	821,00	619,00
570-302	0-300	Digital height gauge with scribe	0,01	± 30	604,00	449,00

* Excluding quantizing error



No. 516-963-10

€ 1.429

Promo price: € 999

Block allocation 47		
Size	Step	Quantity
1,005	-	1
1,01-1,19	0,01	19
1,2-1,9	0,1	8
1-9	1	9
10-100	10	10

No.	Blocks/set	Material	Grade	Accuracy	Certificate of inspection	List price €	Promotion price €
516-962-10	47	Steel	0	EN ISO 3650	■	1.858,00	1.349,00
516-963-10	47	Steel	1	EN ISO 3650	■	1.429,00	999,00
516-964-10	47	Steel	2	EN ISO 3650	■	1.218,00	859,00



174-185D

No. 174-183D

€ 586

Promo price: € 459



KA-200 COUNTER

- > Easy to operate and multifunctional display unit for Linear Scales connection.
- > High performance-to-cost ratio 2/3-axis counter.
- > Can be used as a milling counter or a lathe counter after entering modified parameters.
- > Tool specification, addition of two axes, diameter display, preset value, etc.

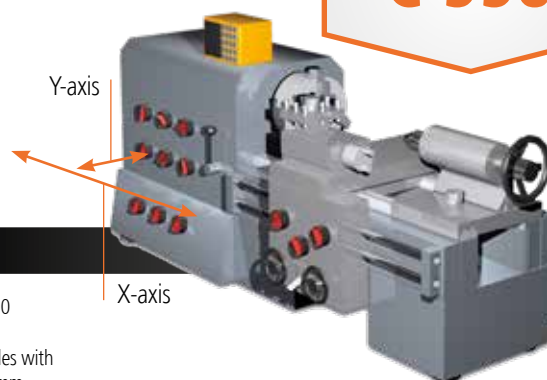
No.	Axes	List price €	Promotion price €
174-183D	2	586,00	459,00
174-185D	3	705,00	559,00

KIT FOR NEW AND USED MANUAL MACHINE TOOLS

- > Linear Scale AT-715 and KA-200 COUNTER. This offer consists of scales with 2 or 3 readouts.
- > Linear Scales with an effective range of max. 1.800 mm per scale.
- > ABSOLUTE technology – no reference point setup required at power-on
- > IP67 protection - thanks to electromagnetic induction scanning principle (high resistance to dust, water, and oil). Also highly durable.
- > High accuracy (from $\pm 5 \mu\text{m}$ up to $10 \mu\text{m}$), depending upon the effective range.
- > Easy application in several types of manual machine tools, especially lathes.

No. 539-8XX-2

€ 990



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



+



+



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

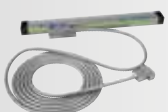
No. 539-8XX-3

€ 1.290

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



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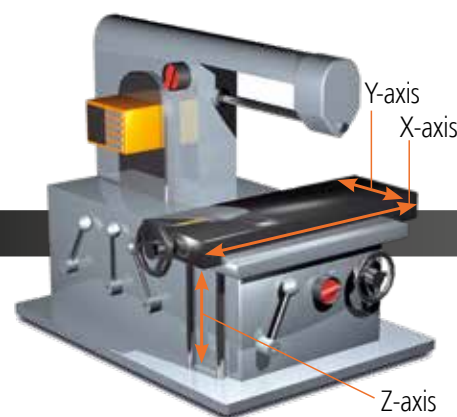
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3-axis KA-200 COUNTER + three scales, max. effective range 3000 mm





Additional measuring ranges are available
(not included in basic set 1 and 2)

No.	Effective range mm	Total Length mm	List price €
539-860	2.000	2.198	926,00
539-861	2.200	2.398	996,00
539-862	2.400	2.598	1.182,00
539-863	2.500	2.698	1.217,00
539-864	2.600	2.798	1.256,00
539-865	2.800	2.998	1.338,00
539-866	3.000	3.198	1.486,00

Max. traveling speed	Effective range	Accuracy
50 m/min	100 – 500 mm	± 5 µm
	600 – 1.800 mm	± 7 µm
	2.000 – 3.000 mm	± 10 µm

The offered set (previous page) contains Linear Scales
with a range of up to 1800 mm

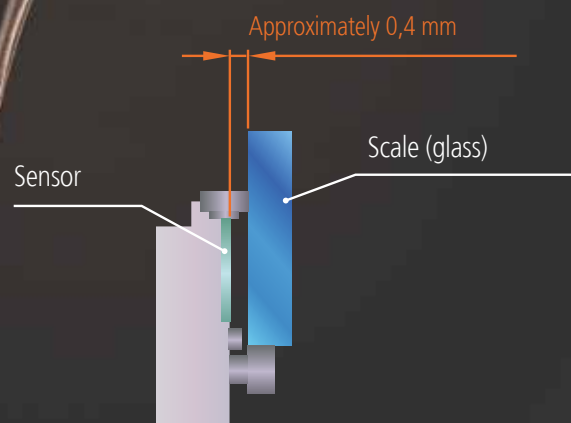
No.	Effective range mm	Total Length mm
539-801	100	278
539-802	150	328
539-803	200	378
539-804	250	428
539-805	300	488
539-806	350	538
539-807	400	588
539-808	450	638
539-809	500	698
539-811	600	798
539-813	700	898
539-814	750	938
539-815	800	998
539-816	900	1.098
539-817	1.000	1.198
539-818	1.100	1.298
539-819	1.200	1.398
539-820	1.300	1.498
539-821	1.400	1.598
539-822	1.500	1.698
539-823	1.600	1.798
539-824	1.700	1.898
539-825	1.800	1.998

LINEAR SCALE ABS AT1100

- > Reliably resistant to environmental contaminants.
- > World's largest air gap.
- > Robust dustproof and waterproof design.

Compatible interfaces *	FANUC Corporation's Serial α / αi Interface
	Mitsubishi Electric Corporation's High-speed Serial Interface
	Siemens AG, DRIVE CLIQ Interface

* Please contact the manufacturer for details pertaining to connecting the applicable system



For more information: nc-scales@mitutoyo.eu

PROFILE PROJECTOR PV-5110

The robust stand-alone PV-5110 profile projector with vertical optical system provides excellent observations with its big Ø508 mm projection screen.

- > Linear scales are integrated in the XY stage.
- > Built-in rotary encoder in the Ø508 mm projection screen.
- > 10X objective lens is included.
- > To suit customer demands, the movement of the XY stage can either be displayed using the optional 2-axis KA Counter, the advanced QM-Data 200 data processor or the M2 data processing system.

No.	Designation	List price €	Promotion price €
304-919D	PV-5110: XY stage: 200 x 100 mm	15.450,00	11.799,00



M2 2D Processor is optional

No. 304-919D

~~€ 15.450~~

Promo price: € 11.799

No. M2SET03

~~€ 2.111~~

Promo price: € 1.999



M2 DATA PROCESSING SYSTEM FOR PROFILE PROJECTORS AND MF/TM MICROSCOPES INCL. TABLET PC

Intuitive and easy to operate 2D data processing system with touch screen operation

Mean features:

- > Measuring point acquisition by crosshair (63AAA406) or optional optical edge detector (63AAA407).
- > Measure, construct, and define 2D features.
- > Part program teach-in.
- > Comprehensive measurement reports.
- > Tolerance check according to DIN/ISO.

The system for profile projectors consists of:

- > M2 Metrology software.
- > 2 axis interface box and 15 pin connecting cables.
- > Power supply and USB cable.
- > Machine bracket, RAM Ball, RAM arm, VESA mount for mounting the optional tablet PC to the projector body.

The system for MF/TM microscopes consists of:

- > M2 Metrology software.
- > 2 axis interface box and 15 pin connecting cables for MF microscopes, or 3 axis interface box and 15 pin connecting cables (works with 2 axis MF's as well) for MF microscopes.
- > Power supply and USB cable.

Optional but necessary accessory included in the price:

- > Tablet PC with touch screen operation and Microsoft® Win10, 64-bit operating system. (Please consult your local Mitutoyo supplier for more details.)

No.	Designation	List price €	Promotion price €
M2SET01	Set of M2 Metrology software (without edge detection) and a tablet PC	2.441,00	2.319,00
M2SET02	Set of M2 Metrology software (with edge detection) and a tablet PC	3.691,00	3.499,00
M2SET03	Set of M2 Metrology software (for TM microscope) and a tablet PC	2.111,00	1.999,00
M2SET04	Set of M2 Metrology software (for MF microscope) and a tablet PC	2.281,00	2.169,00

No. MFSET01

~~€ 16.816~~

Promo price: € 13.599



MEASURING MICROSCOPE MF GENERATION D

- > MF series measuring microscopes offer outstanding optical quality with their long-distance ML series objective lenses.
- > Measuring accuracy is one of the highest in their class.
- > Continuously adjustable LED contour and surface illumination ensure optimum lighting conditions.
- > A comfortable 30X-magnified erect image can be viewed with the 10X binocular and 3X ML lens.
- > To suit customer demands, the M2 data processing system (optional) can be connected.

MF-B2010D Set

No.	Designation	List price €	Promotion price €
176-867-10	MF-B2010D microscope, XY table 200 x 100 mm. 3X ML lens included.	13.100,00	—
176-393	Binocular 10X magnification	1.446,00	—
176-445D	LED surface and contour illumination	2.270,00	—
MFSET01	Set of all products mentioned above	16.816,00	13.599,00

MF-B2017D Set

No.	Designation	List price €	Promotion price €
176-868-10	MF-B2017D microscope, XY table 200 x 170 mm. 3X ML lens included.	16.000,00	—
176-393	Binocular 10X magnification	1.446,00	—
176-445D	LED surface and contour illumination	2.270,00	—
MFSET02	Set of all products mentioned above	19.716,00	15.999,00

MANUAL MEASURING MICROSCOPE TM GENERATION B SERIES

- > Robust and compact measuring microscope suitable for shop floor use
- > XY stage with digital micrometer heads and eyepiece protractor enable easy measurement of dimensions and angles.
- > LED contour, surface, and optional ring light illumination with adjustable light intensity.
- > Comfortable 30X magnification with 2X lens and 15X eyepiece.
- > Available in 2 table sizes.
- > To suit customer demands, the M2 data processing system (optional) can be connected.

TM-505B Set

No.	Designation	List price €	Promotion price €
176-818D	TM-505B microscope XY table 50 x 50 mm	4.403,00	—
164-163	2x digital micrometer head 0–50 mm	1.584,00	—
63AAA001	LED ring light with adjustable light intensity	424,00	—
TMSET01	Set of all products mentioned above	6.411,00	4.999,00

TM-1005B Set

No.	Designation	List price €	Promotion price €
176-819D	TM-1005B microscope XY table 100 x 50 mm	5.783,00	—
164-163	2x digital micrometer head 0–50 mm	1.584,00	—
611675-031	Gauge block 50 mm Grade 1	62,10	—
63AAA001	LED ring light with adjustable light intensity	424,00	—
TMSET02	Set of all products mentioned above	7.853,10	5.999,00



No. TMSET01

~~€ 6.411~~

Promo price: € 4.999

Mobile Surface Roughness Measurement Surftest SJ-210

- The portable instruments allow for easy and accurate surface roughness measurement.
- Made for on-site use, the SJ-210 has a sturdy design perfect for industrial environments.
- EN ISO conform stylus radius of 2 µm, with a measuring force of 0,75 mN.
- EN ISO conform skid radius of 40 mm – convenient for surface roughness
□c = 0,8 mm.
- Supports VDA standard and special parameters such as Rz1max.
- The color LCD provides excellent readability and includes a backlight for improved visibility.
- Easy and intuitive menu navigation.
- Using colored tolerance judgment, both instruments can provide users with a quick but accurate analysis.
- The SJ series performs roughness analyses according to various international standards and customized settings.
- The SJ-210 is available with a standard detector as well as two others with retracting (R-type) or traversing (S-type) functionality.
- The SJ-210 comes in two different language sets with total support of 21 languages.

Detector types
SJ-210



SURFTTEST SJ-210

No.	Designation	List price €	Promotion price €
178-560-11D	Surftest SJ-210 [mm]	2.215,00	1.899,00
Tip radius: 2 µm; Measuring force: 0,75 mN Switchable between 16 languages: Japanese, English, German, French, Italian, Spanish, Portuguese, Czech, Polish, Hungarian, Turkish, Swedish, Dutch, Korean, Traditional Chinese, Simplified Chinese			
178-560-13D	Surftest SJ-210 [mm]	2.215,00	1.899,00
Tip radius: 2 µm; Measuring force: 0,75 mN Switchable between 16 languages: Japanese, English, Russian, Slovenian, Romanian, Bulgarian, Finnish, German, French, Italian, Spanish, Czech, Polish, Hungarian, Turkish, Swedish			
178-562-11D	Surftest SJ-210R [mm]	2.575,00	1.999,00
Tip radius: 2 µm; Measuring force: 0,75 mN; R-type Switchable between 16 languages (See 178-560-11D)			
178-564-11D	Surftest SJ-210S [mm]	4.100,00	3.199,00
Tip radius: 2 µm; Measuring force: 0,75 mN; S-type Switchable between 16 languages (See 178-560-11D)			



See all Details
on SJ-210:
shop.mitutoyo.eu

No. 178-560-11D
No. 178-560-13D
€ 2.215
Promo price: € 1.899



ACCESSORIES FOR SJ-210

No.	Designation	List price €	Promotion price €
SJSET01	SJ-Series Granite Stand Bundle 1	783,00	599,00
 Granite stand 178-029 and adapter 12AAA221 To be connected with the SJ-210 drive unit, the granite stand and adapter make it possible to adjust and match the height of the item to be measured.			

USB Communication Tool via internet
Free download!




Software for SJ-210/-310/-410 series
"USB Communication Tool" on:
http://www.mitutoyo.eu/en_us/downloads/software-and-updates/ (Registration required)

M Download on www.mitutoyo.eu

Mobile or Stationary Skidless Roughness Measurement Surftest SJ-410 Series



High straightness drive unit

Straightness / traverse length
0,3 µm / 25 mm (SJ-411)
0,5 µm / 50 mm (SJ-412)



No. 178-580-11D

€ 8.430

Promo price: € 6.999



See all Details
on SJ-410:
shop.mitutoyo.eu

- Portable instrument that allows easy and accurate on-site measuring of surface roughness independently of external power sources.
- The SJ-410 series' skidless design enables the creation of primary profiles (P), roughness profiles (R), waviness profiles (W), and more. It also offers surface compensation of curved, radial, and tilted surfaces.
- The instrument features a high straightness drive unit with a traverse length of 25 mm and 50 mm. Compatible with both, there is a large number of easy to replace styli for customers to choose from.
- Boasting comfortable use, it retains the same easy and intuitive menu navigation as the rest of the SJ Series.
- The large 14,5 cm color LCD touchscreen facilitates easy readout and operation in multiple languages.
- With the built-in printer, results, profiles, conditions, and more can be printed out automatically or on demand.
- Brilliant optional accessories like the Autoset unit, X-axis adjustment unit, and digital leveling unit can be mounted on the granite stand – individually or in combination.

ACCESSORIES FOR SJ-410

No.	Designation	List price €
178-039	Simple column stand for SJ-410	732,00
	Can be adjusted to match the height of the item to be measured. Vertical adjustment range: 250 mm Dimensions: 400 x 250 x 578 mm Mass: 20 kg	
178-010	Auto-set unit	2.370,00
	This unit enables automatic positioning on the Z-axis thanks to the auto-set function. Easy to use, measurement, saving, and auto-return are all possible with single-button operation.	
178-020	X-axis adjustment unit	1.220,00
	Used for highly precise horizontal movement, this unit helps fine-tune positioning.	
178-030	Tilting adjustment unit	1.800,00
	This is used for aligning the detector with the workpiece surface, supporting the DAT function to make the process of alignment as easy as possible.	

SURFTEST SJ-410

No.	Designation	List price €	Promotion price €
178-580-11D	Surftest SJ-411 [mm]	8.430,00	6.999,00
Tip radius: 2 µm; Measuring force: 0,75 mN; X= 25 mm Switchable between 16 languages: Japanese, English, German, French, Italian, Spanish, Portuguese, Czech, Polish, Hungarian, Turkish, Swedish, Dutch, Korean, Traditional Chinese, Simplified Chinese			
178-582-11D	Surftest SJ-412 [mm]	9.900,00	7.999,00
Tip radius: 2 µm; Measuring force: 0,75 mN; X= 50mm Switchable between 16 languages (See 178-580-11D)			



No. 810-298-10
~~€ 2.858~~
 Promo price: € 2.399

LEEB PORTABLE HARDNESS TESTING DEVICE HH-411

- > This instrument is the hardness testing solution for oversized workpieces.
- > Easy performance of test procedure.
- > Automatic recognition of impact direction.
- > Including HLD scale impact device.
- > Reference material block included in standard accessories.
- > Additional impact devices optionally.

Standard model with HLD impact device

No.	Designation	Impact device	List price €	Promotion price €
810-298-10	HH-411	HLD	2.858,00	2.399,00

Additional impact devices (optional accessories)

No.	Designation	List price €
810-288-10	HLDC impact device UD-412 Used for inner walls of cylinders, the grip is short to allow internal positioning.	1.364,00
810-289-10	HLD+15 impact device UD-413 Used for concave workpieces such as gear teeth, ball bearings, etc.	1.474,00
810-290-10	HLDL impact device UD-414 Use for gear teeth, welded corners, etc.	1.795,00

ROCKWELL HR-530

- > New and intuitive guided user interface.
- > Multiple test force generation for Rockwell, Rockwell Superficial, and Brinell hardness up to 187,5 kgf.
- > Supports Brinell depth measurement, ISO2039-2 Plastic test, and Rockwell Alpha test.
- > A lever indenter arm makes for easy reach of interior surfaces (min. Ø40 mm / Ø22 mm, when using an optional diamond indenter) and exterior surfaces, all while providing the best possible overview of the specimen..
- > Real-time electronic test force control provides accurate loading and perfectly eliminates overshooting of test force. It also enables a precisely executed test time cycle, achieving excellent repeatability.
- > Time-saving serial test mode allows serial testing without changing spindle position and can be operated via footswitch.
- > Auto-stop table elevation and automatic preloading provide stable test force generation.

Rockwell scales	Rockwell Superficial scales	Indenter
HRA, HRC, HRD	HR15N, HR30N, HR45N	Diamond
HRB, HRF, HRG	HR15T, HR30T, HR45T	Ball 1,5875 mm
HRE, HRH, HRK	HR15W, HR30W, HR45W	Ball 3,175 mm
HRL, HRM, HRP	HR15X, HR30X, HR45X	Ball 6,35 mm
HRR HRS, HRV	HR15Y, HR30Y, HR45Y	Ball 12,7 mm



Inside testing option

No.	Designation	Test forces kgf	Max. workpiece height mm	Rockwell scales	Brinell Scales	Brinell depth measurement scales	Plastic test scales	List price €	Promotion price €
810-236	HR-530	3-187,5	250	30	11	2	5	11.250,00	8.999,00
810-336	HR-530L	3-187,5	395	30	11	2	5	13.450,00	10.299,00

CMM PALLET RECEIVER eco-fix KIT SERIES

The manual pallet receiver system for CMM enables the user to speed up and master repetitive measurements with ease. The base plate, equipped with handles and spheres on the bottom surface, can be repositioned quickly and precisely on the receiver pallet.

The use of a second base plate with the same fixture can speed up serial measurements significantly. While the measurement program is running, an identical follow-up workpiece can be mounted on the fixture, so the workpiece changeover time can be reduced accordingly.



K551218: Application of the bottom receiver pallet system

No. K551218
~~€ 1.963~~
Promo price: € 1.679



K551218: 58 eco-fix clamping parts

No.	Designation	List price €	Promotion price €
K551218	eco-fix kit S w. loading receiver pallet Fixture kit for small and mid-sized workpieces. Including: Base plate 250 mm x 250 mm 58 eco-fix clamping parts, e.g. brackets, location pins, spring clips, receiver pallet, handles, and spare bolts	1.963,00	1.679,00
K543812	Rack for 6 pallets	1.792,00	1.479,00



K543812: Pallet and workpiece not included in scope of delivery

CMM FIXTURE KIT SERIES eco-fix

The Mitutoyo "eco-fix" fixture kit series is a very fast and affordable solution for clamping workpieces on the CMM. In just a few minutes your fixture is ready for measurement, making it a very attractive alternative to customized jigs.

- > Fits all CMM brands.
- > Flexible modular systems.
- > Fast & affordable.
- > Suitable for various different workpieces or other measuring equipment.
- > Easy adaption to product changes.
- > M6 thread pattern.
- > Purchase one kit for each workpiece.



No. K551048
~~€ 940~~
Promo price: € 799

No.	Designation	List price €	Promotion price €
K551048	eco-fix S Fixture kit for small and mid-sized workpieces. Including: Base plate 250 mm x 250 mm 58 eco-fix clamping parts (e.g. brackets, location pins, spring clips)	940,00	799,00
K551549	eco-fix L Fixture kit for mid and large size workpieces. Including: Base plate 500 mm x 400 mm 97 eco-fix clamping parts (e.g. brackets, location pins, spring clips)	1.752,00	1.499,00

Hoffmann GmbH Qualitätswerkzeuge
Haberlandstraße 55 · D-81241 München
Tel.: +49 89 8391-0 · Fax: +49 89 8391-80

Hoffmann Nürnberg GmbH Qualitätswerkzeuge
Franz-Hoffmann-Straße 3 · D-90431 Nürnberg
Tel.: +49 911 6581-0 · Fax: +49 911 6581-6317

Hoffmann GmbH
Herbert-Ludwig-Straße 4 · D-28832 Achim
Tel.: +49 4202 527-0 · Fax: +49 4202 527-15

Hoffmann Essen Qualitätswerkzeuge GmbH
Frohnhauser Straße 69 · D-45127 Essen
Tel.: +49 201 7222-0 · Fax: +49 201 7222-159

Hoffmann Göppingen Qualitätswerkzeuge GmbH
Ulmer Straße 70 · D-73037 Göppingen
Tel.: +49 7161 622-0 · Fax: +49 7161 622-10270

Hoffmann Austria Qualitätswerkzeuge GmbH
Mondseer Straße 2 · A-4893 Zell am Moos
Tel.: +43 508877-0 · Fax: +43 508877-180

Gödde GmbH
Robert-Perthel-Straße 57-59 · D-50739 Köln
Tel.: +49 221 59906-0 · Fax: +49 221 59906-666

Oltrogge Werkzeuge GmbH
Finkenstraße 61 · D-33609 Bielefeld
Tel.: +49 521 3208-100 · Fax: +49 521 3208-129

Hch. Perschmann GmbH
Geschäfts- und Hauptsitz · Hauptstraße 46 D · D-38110 Braunschweig
Tel.: +49 5307 933-100 · Fax: +49 5307 933-152
Vertriebsbüro Berlin · Am Studio 2E · D-12489 Berlin
Tel.: +49 30 551506-100 · Fax: +49 30 551506-150



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Coordinate Measuring Machines



Vision Measuring Systems



Form Measurement



Optical Measuring



Sensor Systems



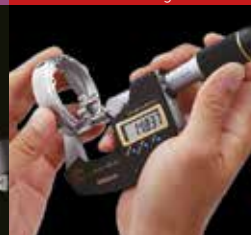
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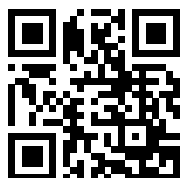
Small Tool Instruments and Data Management



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

Mitutoyo is not only a manufacturer of top quality measuring products but one that also offers qualified support for the lifetime of the equipment, backed up by comprehensive services that ensure 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.de

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Mitutoyo

Mitutoyo Deutschland GmbH

Borsigstraße 8-10
41469 Neuss
Alemania

Tlf. +49 (0) 2137-102-0
Fax +49 (0) 2137-86 85

info@mitutoyo.de
www.mitutoyo.de