

PROMOTION!

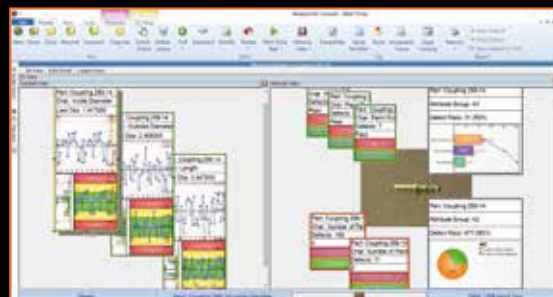
Valid from October 1, 2020 through January 31, 2021

THE MITUTOYO PROMOTION



MeasurLink 9 – Data Collection and Real-Time Statistical Process Control

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

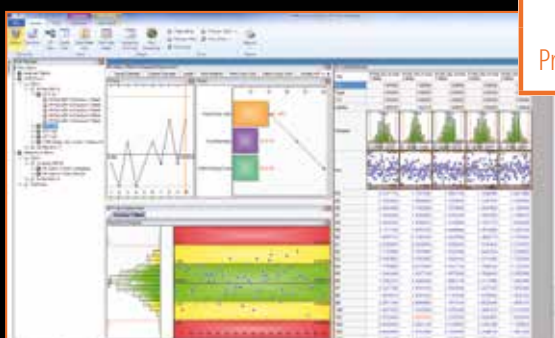


- > MeasurLink Real-Time Professional Edition enables customers to connect and acquire data from Mitutoyo Coordinate Measuring Machines, Vision, and Form Measuring Systems via native integration (DDE).
- > MeasurLink Real-Time Professional Edition plus HOOPS 3D support

No. 64AAB607R

~~€ 1.850~~

Promo price € 1.579



- > 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:
Gage inventory and calibration control
- > MeasurLink Gage R & R:
Gage repeatability and reproducibility



FREE MEASURLINK 9 – TRIAL VERSION

Those who would like to assure themselves of the great performance and the vast user-friendliness of MeasurLink 9 have the chance to test a full version of the powerful SPC suite for 60 days upon brief registration. Well-comprehensible tutorials introduce you to the easy setup and use of the software suite. MeasurLink 9 offers a choice of 17 languages, with the online help function coming in English, French, and German.

Download:

https://www.mitutoyo.eu/en_us/downloads/free-measurlink9/



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

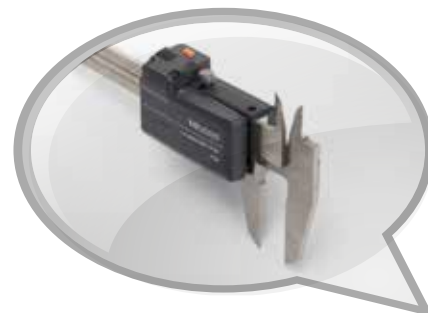
Additional Floating licenses for Workgroup licenses

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	2.572,00	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.



No. 264-016-10

~~€ 219~~

Promo price € 169

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



USB INPUT TOOL with optional accessories



No. 06AFM380C

~~€ 107~~

Promo price € 81,90

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.	Remarks	List price €	Promotion price €
264-016-10	Interface box (requires additional DIGIMATIC cable) with data button (∅ 18 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

DATA MANAGEMENT SYSTEMS

U-WAVE^{fit}



The slim, powerful, and lightweight measuring data transmission system

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-TC for calipers with connection unit



For various measuring instruments: U-WAVE-T with connection cable

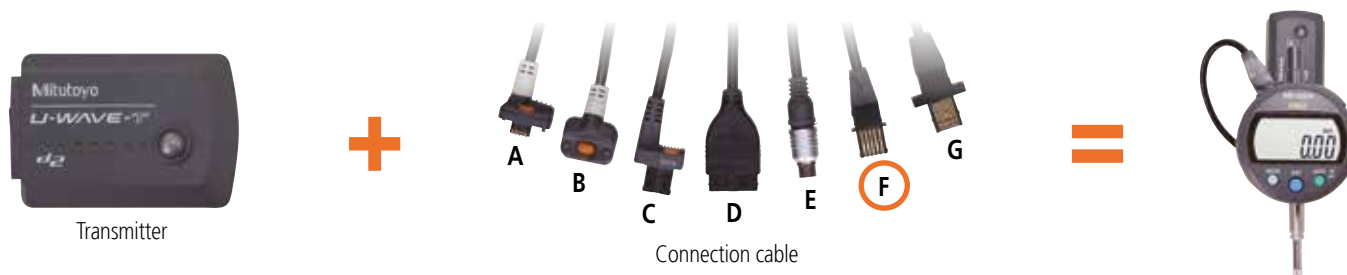
U-WAVE-T connected to a Digimatic gauge via cable matching the gauge's specific data interface.




U-WAVE-TC/TM (transmitter) for calipers and micrometers

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 of connectable measuring instruments please contact your local 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 Fiber Caliper, Holtest, Digital Indicator, Height Gauge, Borematic, Surftest, QuickMike	IP67 type	LED	163,00	119,00
02AZD880G	U-WAVE-T	e.g. Carbon Fiber 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 Fiber Caliper	Waterproof type		97,00	59,90
02AZD790B	Connection cable with data switch	e.g. IP 65 Internal Micrometer, QuickMike (new model see page 10)	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-210/310	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 one PC	Number of U-WAVE transmitters 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

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



See page 2: Data collection and real-time statistical process control software MeasurLink

DATA MANAGEMENT SYSTEMS

U-WAVE

Bluetooth®

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 languages

FOR MOBILE DEVICES U-WAVEPAK-BM

- > Connection management, data requests, data reception (BLE), event-driven settings, Data logging (Folder setting for each work), data transfer (CSV), Tolerance judgment display (Indicator), graph display (History), Statistics Processing (Histogram)
- > 3 units can be connected
- > Available in English only
- > Supports Android and iOS



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

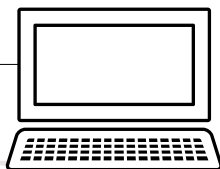
No.	Model	Measuring Instrument*	Remarks	Data reception indication	List price €	Promotion price €
264-624	U-WAVE-TCB	100, 150, 200, 300 mm IP67 caliper/standard caliper	IP67 type	LED	163,00	139,00
264-625	U-WAVE-TCB	100, 150, 200, 300 mm IP67 caliper/standard caliper	Buzzer type	Buzzer/LED	163,00	139,00
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 your local Mitutoyo or distributor.

Receiver

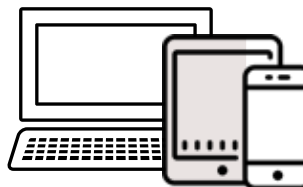
PC (for storing data)

Data loaded to the PC via USB.



Device (for storing data)

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



U-WAVE-R



Transmitters



U-WAVE^{fit}
U-WAVE-TM



U-WAVE^{fit}
U-WAVE-TC



U-WAVE-T



U-WAVE
U-WAVE-TMB



U-WAVE
U-WAVE-TCB

Connection Units



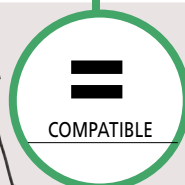
Connecting unit



Connecting unit



Connecting cable



Connecting unit



Connecting unit

Digimatic gauges



Digimatic caliper



Digimatic gauge



Digimatic micrometer

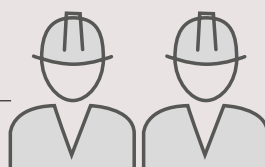


Digimatic micrometer



Digimatic caliper

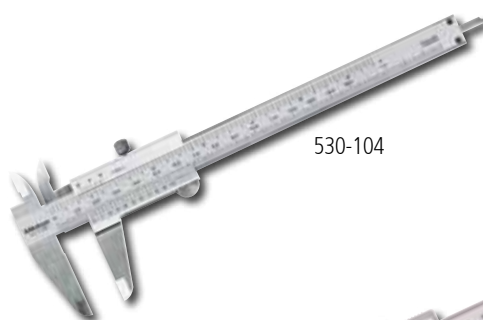
Operators



CALIPERS



530-122



530-104



505-730



500-716-20



550-331-10



551-331-10

No. 500-181-30

~~€ 112~~

Promo price € 82,90

No.	Range [mm/inch]	Accuracy [mm]	Reading	Data output	Graduation [mm/inch]	Depth bar	Remarks	Certificate of inspection	List price €	Promotion price €
530-101	0-150	±0,05	Vernier		0,05	Flat	Standard type (0,05 mm)		30,00	23,90
530-104	0-150/0-6"	±0,05	Vernier		0,05 / 1/128"	Flat	Metric/inch standard type (0,05 mm)		30,00	23,90
530-108	0-200	±0,05	Vernier		0,05	Flat	Standard type (0,05 mm)		78,00	57,90
530-109	0-300	±0,08	Vernier		0,05	Flat	Standard type (0,05 mm)		188,00	149,00
530-122	0-150	±0,03	Vernier		0,02	Flat	Standard type (0,02 mm)		36,00	27,90
530-123	0-200	±0,03	Vernier		0,02	Flat	Standard type (0,02 mm)		60,00	43,90
530-124	0-300	±0,04	Vernier		0,02	Flat	Standard type (0,02 mm)		188,00	139,00
505-730	0-150	±0,03	Dial		0,02	Flat	Dial: 2 mm/revolution		101,00	79,90
505-731	0-200	±0,03	Dial		0,02	Flat	Dial: 2 mm/revolution		205,00	159,00
505-732	0-150	±0,02	Dial		0,01	Flat	Dial: 1 mm/revolution		114,00	89,90
500-184-30	0-150	±0,02*	Digital		0,01	Round	Digital Standard	■	112,00	82,90
500-181-30	0-150	±0,02*	Digital		0,01	Flat	Digital Standard	■	112,00	82,90
500-182-30	0-200	±0,02*	Digital		0,01	Flat	Digital Standard	■	177,00	139,00
500-161-30	0-150	±0,02*	Digital	■ **	0,01	Flat	Digital Standard	■	139,00	99,90
500-162-30	0-200	±0,02*	Digital	■ **	0,01	Flat	Digital Standard	■	198,00	149,00
500-155-30	0-150	±0,02*	Digital	■ **	0,01	Flat	With carbide tipped jaws	■	488,00	369,00
500-706-20	0-150	±0,02*	Digital		0,01	Flat	Digital IP67	■	166,00	129,00
500-707-20	0-200	±0,02*	Digital		0,01	Flat	Digital IP67	■	232,00	179,00
500-716-20	0-150	±0,02*	Digital	■ **	0,01	Flat	Digital IP67	■	214,00	159,00
500-717-20	0-200	±0,02*	Digital	■ **	0,01	Flat	Digital IP67	■	272,00	199,00
550-331-10	0-300	±0,04*	Digital	■ **	0,01	-	IP67 with nib-style jaws		423,00	329,00
551-331-10	0-300	±0,04*	Digital	■ **	0,01	-	IP67 with nib-style jaws and standard jaws		422,00	329,00

* Excluding quantization error ** Instruments with data output - MeasurLink enabled

U-WAVE Bluetooth and U-WAVE fit compatible

U-WAVE WIRELESS TRANSMITTER IS PLACED ON THE BACK SIDE OF CALIPERS

The shape and size of the transmitter unit is corresponding to the display unit, hence ergonomic in your hand.

- > Up to 20 m communication within visible range
- > Secure and reliable data transmission
- > Easy data export to Microsoft® Excel® or other applications
- > Successful data transfer is confirmed by the transmitter through a buzzer or LED
- > Low power consumption (400.000 data transmissions with a single battery)



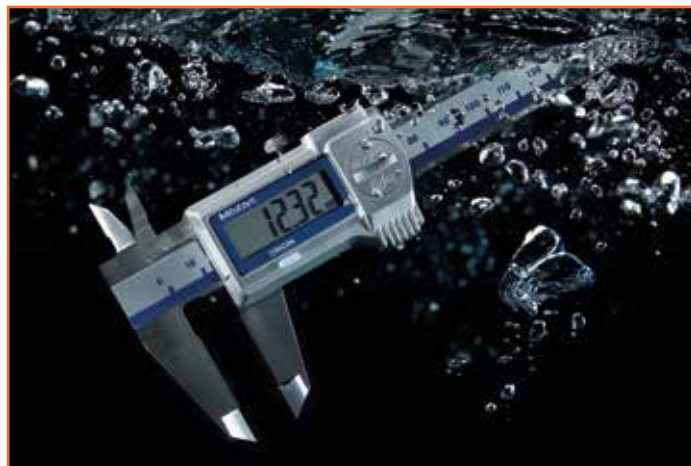
MITUTOYO ABSOLUTE CALIPER WITH EXTRAORDINARY BATTERY LIFE

Mitutoyo Absolute technology save costs. Our standard caliper has an 18.000 h battery life or appr. 5 years when used regularly.



COOLANT PROOF TECHNOLOGY (IP67 TYPE)

Mitutoyo uses materials that are extremely resistant to emulsion, oil, grease, and coolant when manufacturing "COOLANT PROOF" measuring equipment.



500-155-30 CALIPER WITH CARBIDE TIPPED JAWS

The 500-155-30 is a caliper with carbide tipped measuring jaws for outside and inside measurement. Excellent for measuring abrasive parts.



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



Safety
Dust- and
Water-
Protected

www.tuv.com
ID 2011207400

MICROMETERS



No.	Range [mm]	Accuracy [μm]	Reading	Data output	Graduation [mm]	Remarks	Certificate of inspection	List price €	Promotion price €
103-137	0-25	±2	analog		0,01	Standard type	■	47,00	37,90
103-138	25-50	±2	analog		0,01	Standard type	■	67,00	54,90
103-139-10	50-75	±2	analog		0,01	Standard type		89,00	69,90
103-140-10	75-100	±3	analog		0,01	Standard type		97,00	74,90
103-913-50	0-150		analog		0,01	Outside micrometer set	0-25, 25-50 mm	488,00	399,00
293-821-30	0-25	±2*	digital		0,001	Economy type	■	152,00	119,00
293-140-30	0-25	±1*	digital	■ **	0,001	QuantuMike, IP65, with 2 mm spindle pitch	■	310,00	229,00
293-141-30	25-50	±1*	digital	■ **	0,001	QuantuMike, IP65, with 2 mm spindle pitch	■	383,00	299,00
293-142-30	50-75	±1*	digital	■ **	0,001	QuantuMike, IP65, with 2 mm spindle pitch		465,00	369,00
293-143-30	75-100	±2*	digital	■ **	0,001	QuantuMike, IP65, with 2 mm spindle pitch		525,00	399,00
293-230-30	0-25	±1*	digital	■ **	0,001	IP65, standard type	■	257,00	199,00
293-231-30	25-50	±1*	digital	■ **	0,001	IP65, standard type	■	303,00	239,00
293-232-30	50-75	±1*	digital	■ **	0,001	IP65, standard type		400,00	319,00
293-233-30	75-100	±2*	digital	■ **	0,001	IP65, standard type		442,00	349,00
293-666-20	0-30	±2*	digital	■ **	0,001	QuickMike, IP65, 10 mm feed/revolution		480,00	369,00
293-667-20	25-55	±2*	digital	■ **	0,001	QuickMike, IP65, 10 mm feed/revolution		565,00	399,00
293-668-20	50-80	±3*	digital	■ **	0,001	QuickMike, IP65, 10 mm feed/revolution		605,00	449,00
323-250-30	0-25	±4*	digital	■ **	0,001	IP65, measuring surface Ø 20 mm disc		697,00	549,00
331-251-30	0-25	±2*	digital	■ **	0,001	IP65, measuring surface Ø 3 mm spline		665,00	519,00
331-252-30	25-50	±2*	digital	■ **	0,001	IP65, measuring surface Ø 3 mm spline		723,00	569,00
350-271-30	0-25	±2*	digital	■ **	0,001	Micrometer head, IP65, Ø 12, 18 mm stem		431,00	349,00

* Excluding quantization error ** Instruments with data output - MeasurLink enabled

U-WAVE Bluetooth and U-WAVE fit compatible

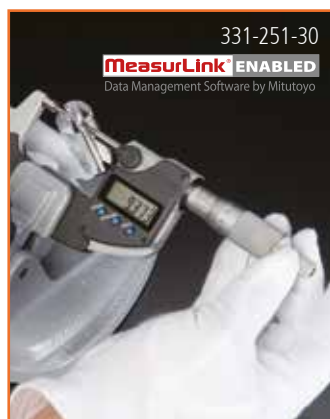
QuickMike – WITH A NON-ROTATING SPINDLE FOR EXTREMELY QUICK MEASUREMENTS

- > With a spindle feed of 10 mm per revolution, the measuring face drives twenty times as fast as standard devices
- > Excellent resistance against water and dust (IP65) enables this micrometer to be used in machining situations that include splashing coolant fluid
- > ABSOLUTE linear scale means no restriction on adjustment speed
- > Larger measuring span of 30 mm



OVER 100 DIFFERENT TYPES OF MICROMETERS FOR ANY NEED

- > Mitutoyo carries over 100 different special-purpose digital micrometers to solve problems in hard to reach places
- > The majority of these special-purpose micrometers have high-grade ingress protection of IP65



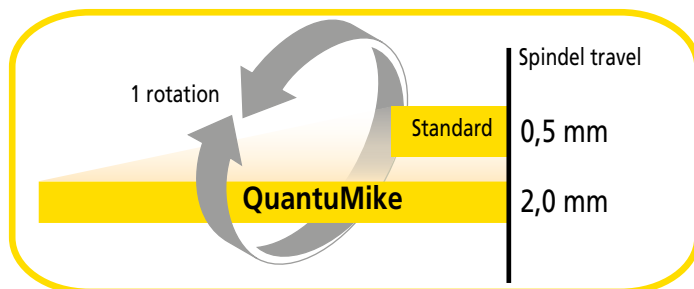
U-WAVE WIRELESS TRANSMITTER ON THE BACK SIDE OF MICROMETERS

- > The shape and size of the transmitter unit is corresponding to the display unit, hence ergonomic in your hand
- > Up to 20 m communication within visible range
- > Secure and reliable data transmission
- > Easy data export to Microsoft® Excel® or other applications
- > Data transfer is confirmed by the transmitter through a buzzer or LED
- > Low power consumption (400.000 data transmissions with a single battery)



QuantuMike – FOUR TIMES FASTER THAN STANDARD DEVICES

- > Faster measurement by using a coarser thread which feeds the spindle by 2 mm per thimble rotation
- > Ratchet thimble mechanism ensures easy single-handed or stand operation
- > Excellent resistance against water and dust (IP65 protection level) enables this micrometer to be used in machining situations that include splashing coolant fluid



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 (1 m)		91,00	–
05CZA663	Digimatic cable with data switch (2 m)		92,00	–
06AFM380B	USB Input Tool Direct cable with data switch (2 m)		122,00	93,90
156-101-10	Micrometer stand	Adjustable angle type up to 100 mm range	57,00	45,90



Dust- and Waterproof IP65

 www.tuv.com
ID 4011207400

SMALL TOOL SETS & BUNDLES

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 Outside Micrometer Economy Design 0-25 mm	77,00	57,90
PROMO002	Digital ABS AOS Caliper 150 mm Digital Micrometer 0-25 mm	264,00	199,00
PROMO003	Digital ABS Caliper Coolant Proof IP67 150 mm Digital Micrometer QuantuMike IP65 0-25 mm	385,00	289,00

U-WAVE Bluetooth Sets & Bundles

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

U-WAVE fit Sets*

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

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

No. PROMO001

~~€ 77~~

Promo price € 57,90



No. PROMO002

~~€ 264~~

Promo price € 199



No. PROMO003

~~€ 385~~

Promo price € 289



**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^{BT}

No. 500-916-20

~~€ 511~~

Promo price € 299



500-716-20



Transmitter



Connection Unit

U-WAVE^{BT}

No. 293-970

~~€ 469~~

Promo price € 309



293-230-30



Transmitter



Connection Unit

U-WAVE^{BT}

No. PROMO004

~~€ 570~~

Promo price € 419



293-140-30



Transmitter



Connection Unit

U-WAVE^{BT}

PRINTER / STANDS

STATISTIC PROCESSING PRINTER DP-1VA DATA PRINTER AND LOGGER

- > Used for statistical evaluations and data printout from calipers, micrometers, and other measuring devices equipped with a Digimatic port.
- > Quick and quiet, the printer operates with single-button touch operation and at an extremely low noise level. The thermosensitive paper boasts outstanding durability and chemical resistance for long-term storage.
- > The printer also provides a timer function used for predetermined measurement data loading.
- > Data transfer from the printer to PC couldn't be easier, using USB (VCP/HID) output (USB IT-PAK Vers. 2.1 or later, MeasurLink, Excel, etc.).
- > With the Data Logger function, up to 1.000 data records can be saved with time and date. Data can be saved even after the power has been turned off.



No. 264-505D

~~€ 477~~

Promo price € 389

UNIVERSAL MAGNETIC STANDS

No. 7031B

~~€ 189~~

Promo price € 139

HURRY WHILE STOCKS LAST!



7032B



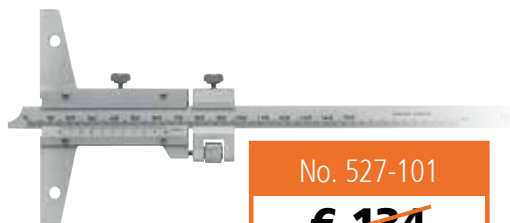
7033B



No.	Working radius [mm]	Magnetic force N	List price €	Promotion price €
7031B*	159	300	189,00	139,00
7032B*	260	600	196,00	149,00
7033B*	352	600	202,00	159,00

* Only limited stocks available!

MeasurLink[®] ENABLED
Data Management Software by Mitutoyo



No. 527-101

~~€ 134~~

Promo price € 99,90



7211



547-211



128-101

No.	Range [mm]	Graduation [mm]	Accuracy [mm]	Design	Remarks	List price €	Promotion price €
527-201	0-150	0,05	±0,05	Depth caliper	Without fine adjustment	116,00	89,90
527-101	0-150	0,02	±0,03	Depth caliper	With fine adjustment	134,00	99,90
527-102	0-200	0,01	±0,03	Depth caliper	With fine adjustment	140,00	109,00
7211	0-200**	0,01	±0,020	Dial indicator depth gauge	Base size: 63,5x16 mm	205,00	159,00
547-211	0-200**	0,01	±0,020*	Digital indicator depth gauge	Base size: 63,5x16 mm	441,00	349,00
128-101	0-25	0,01	±0,003	Depth micrometer	Base size: 63,5x16 mm	144,00	119,00

* Excluding quantization error **With 5 pc. extensions

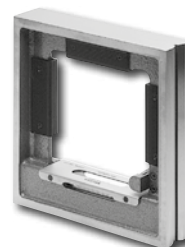
APPLICATIONS



Optional accessories for inside and depth measuring instruments

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 bore gauge, digital depth gauge	87,00	49,90
905338	Digimatic cable (1 m)	For bore gauge, digital depth gauge	32,00	—
905409	Digimatic cable (2 m)	For bore gauge, digital depth gauge	38,00	—
06AFM380F	USB Input Tool Direct Cable (2 m)	For bore gauge, digital depth gauge	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

960-601



No. 960-703

~~€ 810~~

Promo price € 649

HURRY WHILE STOCKS LAST!

PRECISION LEVELS

No.	Sensibility (mm/m per division)	Sensibility " (Arcsecond)	Dimensions [mm]	Accuracy	List price €	Promotion price €
960-601*	0,1	20	200 x 44	DIN2267	382,00	299,00
960-603*	0,02	4	200 x 44	DIN2267	467,00	379,00
960-703*	0,02	4	200 x 44 x 200	DIN2267	810,00	649,00

* Only limited stocks available!

ANALOG / DIAL TEST INDICATORS



No. 2046SB-60
~~€ 122~~
 Promo price € 95,90

No.	Range [mm]	Graduation [mm]	Design	Scale	Stylus length [mm]	Remarks	List price €	Promotion price €
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, with lug backplate	67,00	50,90
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, with lug backplate	118,00	89,90
2110SB-10	1	0,001	Dial indicator	0-100(100-0)		Shockproof	118,00	89,90
513-404-10E	0,8	0,01	Dial test indicator basic set	0-40-0	17,4	Including Ø 8 mm stem, Ø 2 mm carbide stylus tip	86,00	69,90
513-405-10T	0,2	0,002	Dial test indicator full set	0-100-0	15,2	Including Ø 4, 8 mm stem, Ø 1, 2, 3 mm carbide stylus tip, swivel clamp, holding bar (100 mm)	147,00	119,00
513-475-10E	0,2	0,002	Dial test indicator basic set	0-100-0	15,2	Including Ø 8 mm stem, Ø 2 mm ruby stylus tip	137,00	109,00
513-401-10E	0,14	0,001	Dial test indicator basic set	0-70-0	11,2	Including Ø 8 mm stem, Ø 2 mm carbide stylus tip	153,00	119,00

FEATURES OF DIAL INDICATORS



FEATURES OF DIAL TEST INDICATOR



Ø 8 mm stem for fitting dovetails is a standard accessory

A Ø 8 mm plain stem (21CAB104) that attaches to any dovetail on the frame is supplied as a standard accessory.



Stylus length on the dial face

The length of the applied stylus affects the indicator's scale factor. The appropriate length is indicated on the dial face to assist a customer with ordering the correct replacement stylus.



Attachable limit hands

As for dial indicators, Limit hands 21AAB363 (optional) can be attached to the bezel – allowing for easy identification of the upper and lower limits of tolerance.

ACCURACY SPECIFICATION

The accuracy specification is compliant to the new EN ISO 9493 for dial test indicators and EN ISO 463 for dial indicators

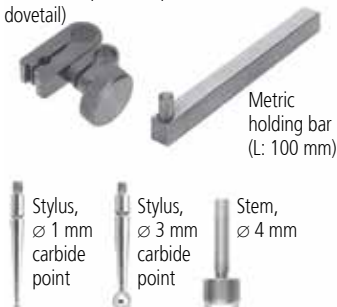
EN ISO 9493/EN ISO 463

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]
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
513-404-10E	5	6	–	8	3	3
513-405-10T	2	3	–	3	2	1
513-475-10E	2	3	–	3	2	1
513-401-10E	2	3	–	3	2	1

Set configuration

Full set: 513-405-10T

Swivel clamp (900321,
for Ø 4 mm, Ø 8 mm,
dovetail)



Basic set: 513-404-10E / 513-475-10E / 513-401-10E



Set-No. 7822 included:

- Ø 5 mm flat
- Ø 10 mm flat
- Needle radius 0,4 mm
- Spherical radius 7 mm
- Shell radius 2,5 mm L=5 mm
- Shell radius 2,5 mm L=10 mm

Optional accessories

No.	Designation	Remarks	List price €	Promotion price €
7822	Interchangeable contact point set	For indicators	49,00	37,90
21AZB149	Spindle lifting lever	For dial indicators	7,00	–

DIGITAL INDICATORS



No. 543-781B

~~€ 149~~

Promo price € 119



543-505B



543-390B



543-551D



543-561D



547-401

No.	Type	Range [mm]	Digital step [mm]	Accuracy* [mm]	Power supply	Remarks	List price €	Promotion price €
543-781B	ID-S	12,7	0,01	0,02	Battery SR44	Economy type	149,00	119,00
543-505B	ID-SS	12,7	0,01	0,02	Solar powered from 40 Lux	Economy type	152,00	119,00
543-390B	ID-C	12,7	0,001	0,003	Battery SR44	Standard with tolerance function	351,00	249,00
543-551D	ID-F	25,4	0,001	0,003	AC-Adapter	Multi function type	622,00	479,00
543-553D	ID-F	50,8	0,001	0,006	AC-Adapter	Multi function type	676,00	539,00
543-561D	ID-H	30,4	0,0005	0,0015	AC-Adapter	High accuracy multi function type	648,00	499,00
543-563D	ID-H	60,9	0,0005	0,0025	AC-Adapter	High accuracy multi function type	703,00	559,00
547-401		0-12	0,001	±0,003	Battery SR44	Digital indicator thickness gauge	783,00	599,00

* Excluding quantization error

Illuminance

750-1000 Lux

technical drawing
precision mechanic work

500 Lux

office

200-300 Lux

working with
manufacturing machines

150 Lux

passages with vehicles/loading
zone

100 Lux

lunchroom
passages

50 Lux

warehouse
storage room

543-505B SOLAR INDICATOR

> Even if the illuminance temporarily drops below 40 lux, normal measurement can be performed with the charged super-capacitor.

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SOLAR



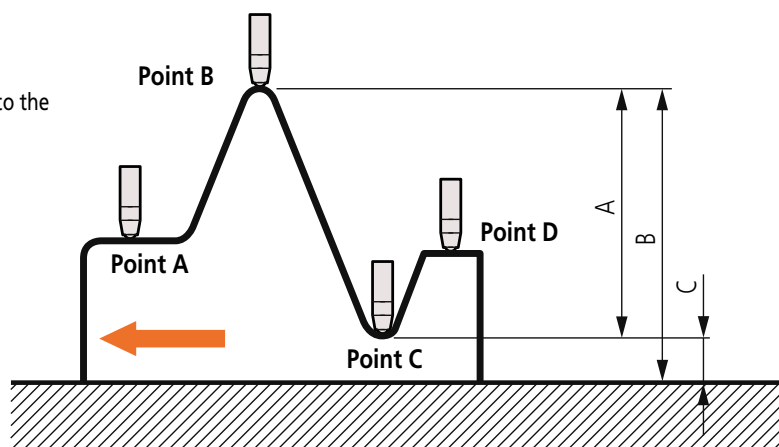
543-390B READ-OUT ROTATION

> The 7-digit LCD can be rotated as much as 330° for read-out convenience.

543-551D, 543-553D, 543-561D, 543-563D MULTIFUNCTION INDICATOR

> Backlight color changes from green (OK) to red (\pm NG) with respect to the given tolerance limits

> ID-F and ID-H indicators can measure MAX/MIN/RANGE (MAX-MIN)



543-561D, 543-563D INDICATOR WITH OPTIONAL REMOTE CONTROLLER

> For ID-H indicators you can carry out operations with the optional remote controller without the need to touch the indicator

Functions:

- > Recall preset/zero set
- > Switch for MAX/MIN/TIR
- > MAX/MIN/TIR reset
- > Trigger for data output

547-401 THICKNESS GAUGE

> For measuring film, paper, sheet metal, etc., with a digital step of 1 μ m



Optional accessories

No.	Designation	Remarks	List price €	Promotion price €
7822	Interchangeable contact point set	For indicator	49,00	37,90
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 ID-S, ID-SS, ID-C & thickness gauge	87,00	49,90
02AZD790D	U-WAVE connection cable	For ID-F / ID-H	87,00	49,90
905338	Digimatic cable (1 m)	For ID-S, ID-SS, ID-C & thickness gauge	32,00	-
905409	Digimatic cable (2 m)	For ID-S, ID-SS, ID-C & thickness gauge	38,00	-
06AFM380F	USB Input Tool Direct Cable (2 m)	For ID-S, ID-SS, ID-C & thickness gauge	107,00	81,90
936937	Digimatic cable (1 m)	For ID-F & ID-H	49,00	-
965014	Digimatic cable (2 m)	For ID-F & ID-H	63,00	-
06AFM380D	USB Input Tool Direct Cable (2 m)	For ID-F & ID-H	107,00	81,90
21EZA198	Spindle lifting lever	For ID-S, ID-SS & ID-C	10,00	-
540774	Spindle lifting cable (500 mm)	For indicator	30,00	-
21EZA099	Remote Controller (max. 6 m distance)	For ID-H	82,00	-



Set-No. 7822 included:

- Ø 5 mm flat
- Ø 10 mm flat
- Needle radius 0,4 mm
- Spherical radius 7 mm
- Shell radius 2,5 mm L=5 mm
- Shell radius 2,5 mm L=10 mm

CALIBRATION INSTRUMENTS



No. 170-402D

~~€ 13.415~~

Promo price € 10.999

PC shown above is for illustration only.
It needs to be ordered separately.

CALIBRATION INSTRUMENT FOR INDICATORS

i-Checker

This instrument achieves the highest accuracy in its class (Mitutoyo survey, February 2016) and, therefore, guarantees ultra-reliable calibration results. Analog type indicators are calibrated in semi-automatic mode with the pointer of the indicator being manually adjusted at each measuring point with automatic transfer of calibration results and movement to the next measuring point.

Supported industrial standards:

- > ISO, JIS, JMAS, ANSI/ASME, DIN, VDI/VDE/DGQ, BS
- > Calibration standards can be set to customer specifications
- > All functions necessary for calibration can be found on the control box, making operation quick and easy



Calibration using analog-type indicator



Calibration using digital type indicator



Calibration using bore gauge accessory set (type C)



Calibration using dial test indicator accessory set (horizontal type)



Inspection using linear gauge



Inspection using lever probe (inductive probe)

Optional accessories

No.	Designation	Remarks	List price €	Promotion price €
02ASK000	Test indicator accessory set (for \varnothing 6 mm stem)	For attachment of \varnothing 6 mm stem test indicators	1.590,00	—
02ASK180	Test indicator accessory set (for \varnothing 8 mm stem)	For attachment of \varnothing 8 mm stem test indicators	1.635,00	1.299,00
02ASK370	Test indicator accessories set (for \varnothing 6 stem)	Holder to fix \varnothing 6 mm stem to 02ASK180	355,00	—
02ASK380	Test indicator accessories set (for \varnothing 8 mm stem)	Holder to fix \varnothing 8 mm stem to 02ASK000	355,00	—
02ASU162	Bore gauge accessory set (type C)	Accessory set for holding grip type bore gauge	2.754,00	—

No. 515-555

~~€ 1.960~~

Promo price € 1.599



CERA CALIPER CHECKER 0-300 MM

- > Enables calibration for inside/outside jaws of calipers and height gauges
- > Provided with ceramic gauge blocks



Checking accuracy of height gauge



Checking accuracy of caliper (outside measurement)

No.	Designation	List price €	Promotion price €
515-555	CERA Caliper Checker 0-300 mm	1.960,00	1.599,00

No. 516-963-10

~~€ 1.429~~

Promo price € 999



516-363-10



Micrometer Inspection Gauge Block Set
516-107-10

No.	Blocks/set	Material	Grade	Accuracy	Certificate of inspection	List price €	Promotion price €
516-362-10	47	Ceramic	0	EN ISO 3650	■	3.060,00	2.149,00
516-363-10	47	Ceramic	1	EN ISO 3650	■	2.660,00	1.799,00
516-346-10	87	Ceramic	0	EN ISO 3650	■	5.082,00	3.499,00
516-347-10	87	Ceramic	1	EN ISO 3650	■	3.927,00	2.799,00
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
516-946-10	87	Steel	0	EN ISO 3650	■	2.862,00	2.199,00
516-947-10	87	Steel	1	EN ISO 3650	■	2.202,00	1.499,00
516-107-10	10	Steel	1	EN ISO 3650	■	413,00	299,00

CHARACTERISTICS OF MITUTOYO STEEL GAUGE BLOCKS

- > Outstanding dimensional stability: Mitutoyo steel gauge blocks are made exclusively from artificially aged material.
- > High gauge reliability: Mitutoyo gauge blocks can be a useful standard for a long time due to their high dimensional stability.
- > The maximum permitted length changes to gauge blocks over a year are defined in EN ISO 3650. Mitutoyo high-quality gauge blocks easily meet these and all other requirements.
- > Steel gauge blocks are excellent for use as a standard because of the low measurement uncertainty.
- > Mitutoyo steel gauge blocks have top-quality surfaces, guaranteeing high wringing force.

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

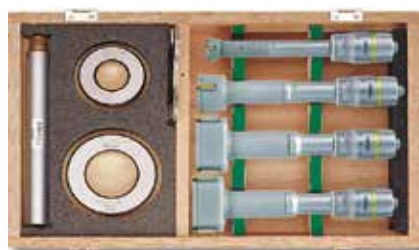
Block allocation 87		
Size	Step	Quantity
1,001–1,009	0,001	9
1,01–1,49	0,01	49
0,5–9,5	0,5	19
10–100	10	10

CHARACTERISTICS OF MITUTOYO CERAMIC GAUGE BLOCKS (CERA-BLOCKS)

- > Wear resistant: CERA blocks feature ten times the abrasion resistance of steel gauge blocks and three times that of hard metal blocks.
- > Due to the ceramic material, these gauge blocks are resistant to corrosion.
- > These gauge blocks are more or less free from dimensional change over time.
- > Steel and ceramic have similar expansion coefficients which reduce measurement errors due to temperature change.
- > All Mitutoyo gauge blocks have top quality surfaces, making it possible to adhere ceramic blocks to steel ones.
- > Free from burrs caused by scratches, CERA blocks are very dependable.
- > Non-magnetic: powder (iron grit, etc) will not adhere.
- > Easily legible markings, the dark characters stand out on the white ceramic surface.



INSIDE MEASURING INSTRUMENTS



368-913



MeasurLink[®] ENABLED
Data Management Software by Mitutoyo

No. 468-983

~~€ 3.242~~

Promo price € 2.499

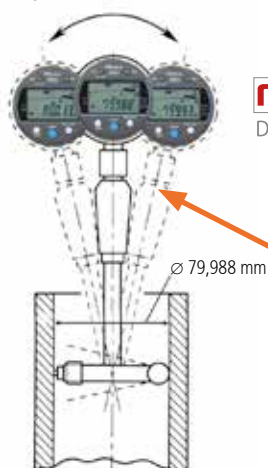


511-925-10

No.	Range [mm]	Design	Accuracy [μm]	Resolution [mm]	Remarks	Certificate of inspection	List price €	Promotion price €
368-911	6–12	3-point internal micrometer	±2	0,001	Incl. 3 micrometer, 2 setting rings	■	901,00	719,00
368-912	12–20	3-point internal micrometer	±2	0,005	Incl. 2 micrometer, 1 setting ring	■	779,00	629,00
368-913	20–50	3-point internal micrometer	±3	0,005	Incl. 4 micrometer, 2 setting rings	■	1.787,00	1.399,00
368-914	50–100	3-point internal micrometer	±3	0,005	Incl. 4 micrometer, 2 setting rings	■	2.101,00	1.699,00
468-981	6–12	IP65 digital 3-point internal micrometer	±2*	0,001	Incl. 3 micrometer, 2 setting rings	■	2.769,00	2.199,00
468-982	12–25	IP65 digital 3-point internal micrometer	±2* (12–20) ±3* (20–25)	0,001	Incl. 3 micrometer, 2 setting rings	■	3.077,00	2.399,00
468-983	25–50	IP65 digital 3-point internal micrometer	±3*	0,001	Incl. 3 micrometer, 2 setting rings	■	3.242,00	2.499,00
468-984	50–75	IP65 digital 3-point internal micrometer	±3*	0,001	Incl. 3 micrometer, 2 setting rings	■	2.550,00	1.999,00
468-985	75–100	IP65 digital 3-point internal micrometer	±3*	0,001	Incl. 2 micrometer, 1 setting ring	■	3.090,00	2.199,00
511-925-10	18–150	2-point bore gauge	2	0,001	Digital indicator 543-310B incl.		859,00	639,00

* Excluding quantization error

Oscillating movement result (min. value)



511-925-10 WITH 543-310B BORE GAUGE INDICATOR

> As an alternative to a dial indicator the user can also employ a digital indicator designed for 2-Point inside measuring instruments. It features a minimum value holding function that allows users to easily detect the diameter of the measured hole.

Optional accessories, see next page.

MeasurLink[®] ENABLED
Data Management Software by Mitutoyo

A fast measurement frequency mode detection cycle every 20 ms (50 times/s) is selectable to measure the diameter more reliably.

**REACH NEW HEIGHTS
GET YOUR NEW MITUTOYO
HEIGHT GAUGE
NOW**

DO NOT MISS OUR SPECIAL OFFER!

Join the Mitutoyo Trade-in Trade-up offer and save up to 1.500 € on your next Linear Height Gauge. This offer is valid for both the Mitutoyo LH-600 and QM Height series.

For more information about our special offer, please visit www.mitutoyo.eu, or scan the QR code to learn more about the promotion.



MeasurLink® ENABLED
Data Management Software by Mitutoyo



No. 514-102

€ 426

Promo price € 319



ABSOLUTE DIGIMATIC HEIGHT GAUGE

> The ABSOLUTE Height Gauge allows for smooth movements via the slider adjustment wheel (hand-wheel). This height measuring instrument is available in two different measuring ranges.

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
192-130	0-300	Dial height gauge with scribe	0,01	±30	624,00	479,00
570-302	0-300	Absolute digital height gauge with scribe	0,01	±30*	604,00	449,00
570-304	0-600	Absolute digital height gauge with scribe	0,01	±50*	1.055,00	799,00

* Excluding quantization error

LINEAR SCALES

KIT FOR NEW AND USED MANUAL MACHINE TOOLS

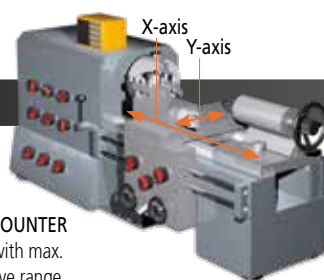
Linear Scale AT-715 and KA-200 COUNTER. This offer consists of 2 or 3 Linear Scales with an effective range of max. 1800 mm per scale.

- > 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)
- > High accuracy (from $\pm 5 \mu\text{m}$ up to $10 \mu\text{m}$), depending upon effective range
- > Easy application in several types of manual machine tools, especially lathes

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



2-axis KA-200 COUNTER
plus two scales with max.
2000 mm effective range



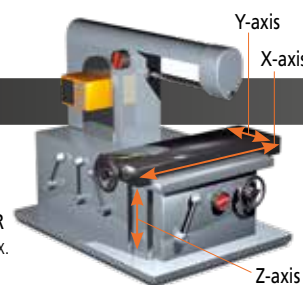
No. 539-8XX-2

€ 990

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



3-axis KA-200 COUNTER
plus three scales with max.
3000 mm effective range



No. 539-8XX-3

€ 1.290



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



No.	Effective range [mm]	Total Length [mm]	List price €
539-860	2000	2198	926,00
539-861	2200	2398	996,00
539-862	2400	2598	1.182,00
539-863	2500	2698	1.217,00
539-864	2600	2798	1.256,00
539-865	2800	2998	1.338,00
539-866	3000	3198	1.486,00

Max. traveling speed	Effective range	Accuracy
50 m/min	100 – 500 mm	$\pm 5 \mu\text{m}$
	600 – 1800 mm	$\pm 7 \mu\text{m}$
	2000 – 3000 mm	$\pm 10 \mu\text{m}$

The offered set (above) 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	1098
539-817	1000	1198
539-818	1100	1298
539-819	1200	1398
539-820	1300	1498
539-821	1400	1598
539-822	1500	1698
539-823	1600	1798
539-824	1700	1898
539-825	1800	1998

KA-200 COUNTER

- > Comes with an easy to operate and multifunctional display unit for linear scale connections.
- > Due to the 2/3-axis counter it has a high performance to cost ratio.
- > It can easily be used as a milling or lathe counter by entering modified parameters.
- > Comes with tool specification, two additional axes, diameter display, preset value, etc.

No.	Axis	List price €	Promotion price €
174-183D	2	586,00	459,00
174-185D	3	705,00	549,00

No. 174-183D
~~€ 586~~
Promo price € 459



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No. 542-157
~~€ 730~~
Promo price € 549

SLIM HEAD LINEAR GAUGE LKG SERIES

- > Differential square-wave signal output enables it to be used for a wide range of applications.
- > Applicable even where space is restricted, thanks to its small size.
- > Its photoelectric scale gives it high precision across the entire measuring range.
- > Retains a long product life due to linear ball bearings in the spindle unit.

No.	Range [mm]	Measuring force *	Resolution [mm]	Accuracy	Signal pitch [μm]	Max. response speed	Mass [g]	List price €	Promotion price €
542-157	0-10	0,8 N/0,75 N/0,7 N	0,0005	(1,5 + L/50) μm	2	1500 mm/s	175	730,00	549,00

* Spindle DOWN/Horizontal/UP

STANDARD LINEAR GAUGE LGF SERIES

- > The advanced construction of the plunger guidance assembly makes it very resistant to external shocks and vibration.
- > Its differential square-wave signal output allows for a wide range of applications.
- > Retains a long product life due to linear ball bearings in the spindle unit.



No. 542-161
~~€ 587~~
Promo price € 449

No.	Range [mm]	Measuring force *	Resolution [mm]	Stem ø	Accuracy	Signal pitch [μm]	Max. response speed	Mass [g]	List price €	Promotion price €
542-161	0-10	1,2/1,1/1 N	0,001	ø 8 mm	(1,5 + L/50) μm	4	1500 mm/s	260	587,00	449,00

* Spindle DOWN/Horizontal/UP



No. 542-246
~~€ 2.323~~
Promo price € 1.749

HIGH-RESOLUTION LINEAR GAUGE LGB SERIES

- > Designed extra compact, the small photoelectric scale ensures high precision across the entire range.
- > Differential square-wave signal output allows for a wide range of applications.

No.	Range [mm]	Measuring force * [N]	Resolution [μm]	Stem ø [mm]	Accuracy	List price €	Promotion price €
542-246	0-5	0,65/0,6/0,55	0,1	8	(1,5 + L/50) μm	2.323,00	1.749,00

* Spindle DOWN/Horizontal/UP

LINEAR GAUGES / SENSORPAK

EH COUNTER FOR LINEAR GAUGES

- > Multi-functional counter
- > The standard RS-232C and USB interfaces allow easy communication with an external PC (USB can only be used with SENSORPAK)
- > The built-in networking function allows you to easily create a multi-point measuring system (RS link, max. 10 counters)
- > The 2-gauge input type can calculate additions and subtractions between two gauges



No.	Resolution [mm]	Max. input frequency	Input signal type	Applicable gauge	Gauge inputs	Mass [g]	List price €	Promotion price €
542-075D	0,0001/0,001/0,01	2,5 MHz (2-phase square wave), response speed depends on gauge specification	Differential square-wave	LGF, LGK, LGB, LG, LGM, LGH (excluding LGF-Z with reference point, LGH with 0,01 µm resolution)	1	760	909,00	689,00
542-071D	0,0001/0,001/0,01				2	800	1,105,00	839,00



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Data Management Software by Mitutoyo

SENSORPAK

- > Displays measurement values from up to 60 sensors simultaneously and in real-time
- > Calculations can be performed using measurement values from up to 30 sensors in real-time
- > Access to a wide range of different graphical presentations of measurement data
- > Data registration on control cards or data tables
- > Further data processing with external software such as Microsoft® Excel® or MeasurLink is possible

Model	Sensorpak
No.	02NGB072
Output function	Direct output to Microsoft® Excel® spreadsheet, CSV file output (compatible with MeasurLink)
Total tolerance judgment	GO/NG judgment (by specifying gauges to be used for total tolerance judgment), GO/NG signal output with optional I/O cable
Input function	Trigger function: by means of keys, timer, or external TRG (with optional I/O cable) Data input frequency: Max. 9.999 times (with 60 gauges connected) to 60.000 times (with 6 gauges connected)
Application counter	Counters with RS-232C interface (EH and EV), with USB interface (EH)
Display	Display type: Counter, bar graph, meter, chart (capable of simultaneous display) Tolerance judgment result: Color display (green/red) Connectable gauges: Max. 60 gauges



No. 318-226D*

~~€ 6.663~~

Promo price € 5.699

*957460 is optional

LITEMATIC VL-50S-B

This is a high-accuracy gauge head with a separate controller.

The LITEMATIC VL-50 offers you the following benefits:

- > It has a measuring force of 0,01 N (1 gf) and a resolution of 0,01 µm.
- > Its constant and low measuring force makes it especially suitable for measuring soft materials such as rubber, plastic, film thicknesses, or sensitive form parts.
- > The motor-driven plunger gives you a range of approach and retraction speeds for safe and easy operation.
- > The head is supplied with a separate controller so you can mount it in a measurement fixture, or on the optional comparator stand.

No.	Range [mm]	Accuracy	Measuring force * [N]	Resolution [µm]	List price €	Promotion price €
318-226D	0-50	(0,5 + L/100) µm	0,01 (1 gf)	0,01, 0,1, 1 (switchable)	6.663,00	5.699,00
318-227D	0-50	(0,5 + L/100) µm	0,015 (15 gf)	0,01, 0,1, 1 (switchable)	6.891,00	5.899,00
318-228D	0-50	(0,5 + L/100) µm	1 (102 gf)	0,01, 0,1, 1 (switchable)	7.118,00	5.999,00

LITEMATIC VL-50-B

This is a high-accuracy motorized measuring machine with safe and easy operation.

The LITEMATIC VL-50 offers you the following benefits:

- > It has a measuring force of 0,01 N (1 gf) and a resolution of 0,01 µm.
- > Its constant and low measuring force makes it especially suitable for measuring soft materials such as rubber, plastic, film thicknesses, or sensitive form parts.
- > The motor-driven plunger gives you a range of approach and retraction speeds for safe and easy operation.

No.	Range [mm]	Accuracy	Measuring force * [N]	Resolution [µm]	List price €	Promotion price €
318-221D	0-50	(0,5 + L/100) µm	0,01 (1 gf)	0,01, 0,1, 1 (switchable)	7.004,00	5.999,00
318-222D	0-50	(0,5 + L/100) µm	0,015 (15 gf)	0,01, 0,1, 1 (switchable)	7.232,00	6.199,00
318-223D	0-50	(0,5 + L/100) µm	1 (102 gf)	0,01, 0,1, 1 (switchable)	7.460,00	6.399,00



No. 318-221D

~~€ 7.004~~

Promo price € 5.999

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
02AZD790D	U-WAVE connection cable	10 pin, simple model	87,00	49,90
06AFM380D	USB Input Tool Direct Cable (2m)	10 pin, simple model	107,00	81,90
936937	DIGIMATIC cable (1m)		49,00	-
965014	DIGIMATIC cable (2m)		63,00	-
02ADB440	Data plug for I/O interface (with cover)		46,00	-
12AAA807D	RS232-C cable		61,00	-
901312	Contact Element Ball Point		8,00	-
957460	Litematic Head Stand	For LITEMATIC VL-50S-B	3.932,00	3.299,00

LASER SCAN MICROMETER



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No. 544-498-1D

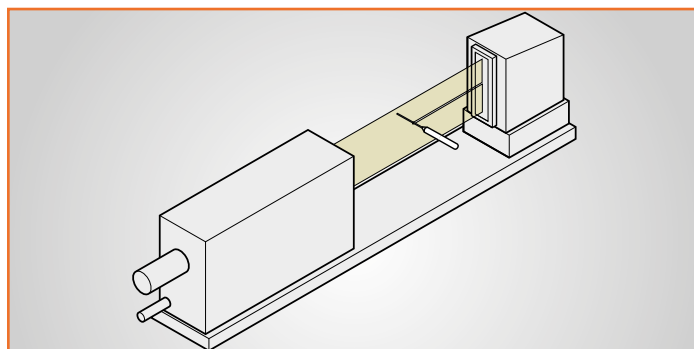
~~€ 9.173~~

Promo price € 7.999

ULTRA-HIGH ACCURACY MEASURING UNIT LSM-6902H

- > Suitable for pin and plug gauge measurements
- > Wide measuring range of \varnothing 0,1 mm to \varnothing 25 mm
- > Provides ultra-high accuracy with linearity of $\pm 0,5 \mu\text{m}$ over the entire measurement range and $\pm (0,3 + 0,1 \Delta D) \mu\text{m}$ in the narrow range
- > Ultra-high repeatability of $\pm 0,045 \mu\text{m}$
- > Standard I/O output, analog output, and RS-232C output interfaces
- > Improved resistance to IP64-level environments
- > Certified accuracy over the entire measurement range

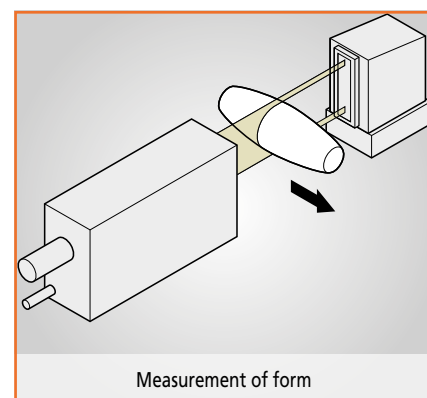
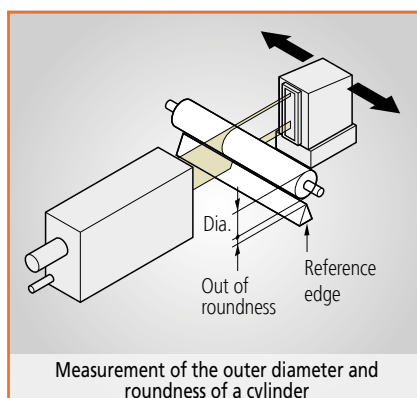
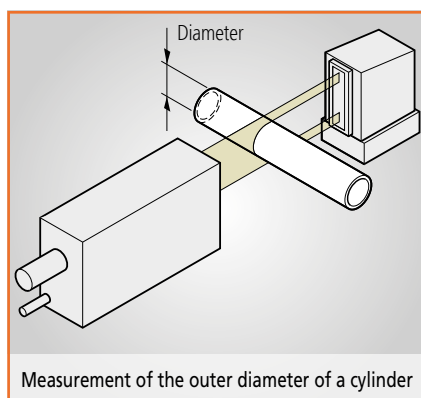
PIN AND PLUG GAUGE MEASUREMENTS



No.	Range [mm]	Accuracy [μm]	Repeatability [μm]	Resolution [μm]	List price €	Promotion price €
544-498-1D	0,1–25	Whole range: $\pm 0,5$ Narrow range: $\pm (0,3 + 0,1 \Delta D^*)$	Whole range: $\pm 0,045$ (\varnothing 25 mm) Narrow range: $\pm 0,03$ (\varnothing 10 mm)	0,01–10 (switchable)	9.173,00	7.999,00

* ΔD is the difference in outside diameter between the master gauge and workpiece.

APPLICATION EXAMPLES





No. 810-298-10

~~€ 2.858~~

Promo price € 2.399

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LEEB PORTABLE HARDNESS TESTING DEVICE HH-411

- > This instrument is the hardness testing solution for big specimens
- > 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

No.	Designation	List price €
810-288-10	HLDC impact device UD-412	1.364,00
810-289-10	HLD+15 impact device UD-413	1.474,00
810-290-10	HLDL impact device UD-414	1.795,00



HLDC impact device UD-412
Use for inner walls of cylinders.
Used for inner walls of cylinders, the grip is short to allow internal positioning.



HLDL impact device UD-414
Used for concave workpieces such as gear teeth, ball bearings, etc.



HLD+15 impact device UD-414
Use for gear teeth, welded corners, etc.

HARDNESS TESTING MACHINES

VICKERS HARDNESS TESTING MACHINE HV-110/120

- > 144 mm (5,7 inch) color display (Type A) with excellent visibility and an easy to operate user interface
- > High-quality objective lenses for best observation image
- > Electromagnetic test force control for all models
- > LED illumination extends the service life and offers a natural color observation image
- > Supports Micro Brinell up to 62,5 kgf with optional test force weights, depending on the model
- > 10x objective lens included



Vickers Indentation



No. 810-440D

~~€ 12.550~~

Promo price € 10.799

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No.	Designation	Test forces kgf	List price €	Promotion price €
810-440D	HV-110 Type A	1-50	12.550,00	10.799,00
810-445D	HV-120 Type A	0,3-30	13.050,00	10.999,00
11AAC714	20 x Objective lens	-	776,00	-
11AAC715	50 x Objective lens	-	936,00	-

ROCKWELL HR-530

- > New and intuitive user interface
- > Multiple test force generation possibilities for Rockwell, Rockwell Superficial, and Brinell hardness up to 187,5 kgf
- > Supports Brinell depth measurement, ISO2039-2 Plastic test, and Rockwell Alpha test
- > HR-530 can perform 47 different hardness testing scales
- > Workroom height 250 mm or 395 mm
- > A lever indenter arm makes for easy reach of interior surfaces (min. \varnothing 40 mm / \varnothing 22 mm, when using an optional diamond indenter) and exterior surfaces, providing the overall best overview of the specimen.
- > Real-time electronic test force control provides accurate loading and perfectly eliminates the overshooting of test force. It also enables a precisely executed test time cycle, achieving excellent repeatability.
- > Time-saving serial test mode, which allows serial testing without changing spindle position. The serial test can also be operated via footswitch.
- > Auto-stop table elevation and automatic preloading provide stable test force generation.



Inside testing option

No. 810-336

~~€ 13.450~~

Promo price € 10.299



No. 810-236

~~€ 11.250~~

Promo price € 8.999

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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

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

ECONOMIC ROCKWELL HARDNESS TESTING MACHINE ROCKWELL HR-110MR / HR-210MR / HR-430MR

> The frame design provides maximum clearance for positioning the workpiece. (flat table for tester mounting required)

> Supports Brinell up to 187,5 kgf with an optional test force weight

Three different models manual/semi-automatic analog and automatic digital type:

- > Manual weight change for HR-100 and HR-200
- > Weight change by rotary knob for HR-400
- > Manual test force application for HR-100
- > Semi-automatic operation for HR-200
- > Automatic operation for HR-400
- > Increased process safety by adding K543817 clamping device

No.	Designation	Test forces kgf	List price €	Promotion price €
HRSET01*	HR-110MR incl. K543817	60/100/150	4.480,00	3.599,00
HRSET02*	HR-210MR incl. K543817	60/100/150	5.282,00	4.199,00
HRSET03*	HR-430MR incl. K543817	60/100/150	8.290,00	6.599,00

* Only limited stocks available!



HRSET02

HRSET03



WORKPIECE CLAMPING DEVICE

- > Avoids movement of the specimen during the hardness test
- > Ideal for shaft specimen and sheet material cutouts
- > Inside \varnothing clamp 18 mm
- > Use Mitutoyo indenter for best result
- > Applicable for HR-MR models only

No.	Designation	Application models	List price €
K543817	Clamping device	HR-110MR, HR-210MR, HR-430MR	470,00

MICRO-VICKERS HARDNESS TESTING MACHINE HM-210A

> High-performance hardness testing machine that uses advanced technology and is ideal for quality control

> Touchscreen controlled

> Electromagnetic force generation system

> A high-performance optical system provides a high-quality image of the indentation

> 10x and 50x objective lenses included

> 810-420 manual XY stage 25x25 mm included

No.	Designation	Test forces kgf	List price €	Promotion price €
810-401D-ASET	HM-210A	0,01-1	14.500,00	12.399,00

Vise is an additional accessory.

No. 810-401D-ASET

~~€ 14.500~~

Promo price € 12.399



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FORM MEASURING INSTRUMENTS

MOBILE ROUGHNESS MEASUREMENT – SURFTEST SJ-210 / SURFTEST SJ-310

- > 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 $\lambda_c = 0,8 \text{ mm}$.
- > Support of VDA standard and special parameters like Rz1max.
- > The color LCD provides excellent readability and includes a backlight for improved visibility.
- > Easy and intuitive menu navigation.
- > The SJ-310 drastically improves operation time thanks to its touchscreen and built-in printer. With the choice to print results, profiles, conditions, and more automatically or on demand, you are provided with a physical copy of the information right away.
- > The SJ series performs roughness analyzes according to various international standards (EN ISO, VDA, ANSI, JIS) and customized settings.
- > Using colored tolerance judgment, both instruments can provide users with a quick but accurate analysis.
- > Both the SJ-210 and SJ-310 are available with a standard detector as well as two others with retracting (R-type) or traversing (S-type) functionality.
- > The SJ-210 is available in two different language sets with a total support of 21 languages.

No.	Designation	List price €	Promotion price €
178-560-01D*	SJ-210 Surftest	2.215,00	1.799,00
178-560-02D*	SJ-210 Surftest	2.215,00	1.799,00
178-560-03D*	SJ-210 Surftest	2.215,00	1.799,00
178-562-01D*	SJ-210 R Surftest	2.575,00	1.999,00
178-564-01D*	SJ-210 S Surftest	4.100,00	3.199,00
178-570-01D*	SJ-310 Surftest	4.450,00	3.499,00
178-570-01D*	SJ-310 R Surftest	4.800,00	3.699,00
178-574-01D*	SJ-310 S Surftest	6.300,00	4.899,00

* Only limited stocks available!

Detector types SJ-210 and SJ-310



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

No. 178-560-01D
No. 178-560-03D

~~€ 2.215~~

Promo price € 1.799

HURRY WHILE STOCKS LAST!

No. 178-570-01D

~~€ 4.450~~

Promo price € 3.499

Optional accessories for SJ-210/310/410

No.	Designation	Remarks	List price €
178-029*	Granite stand	For SJ-210/310	738,00
12AAA221	Granite stand adapter	For 178-029	45,00
178-010	Autoset unit	For SJ-410	2.370,00
178-020	X-axis adjustment unit	For SJ-410	1.220,00
178-030	Digital leveling unit	For SJ-410	1.800,00
178-039	Granite stand	For SJ-410	732,00

* 12AAA221 is required for SJ-210/SJ-310

MOBILE OR STATIONARY ROUGHNESS MEASUREMENT – SKIDLESS SURFTEST SJ-410 SERIES

- > 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 large 14,5 cm color LCD touchscreen facilitates easy readout and operation in multiple languages.
- > 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.

No.	Designation	List price €	Promotion price €
178-580-01D*	SJ-411 Surftest	8.430,00	6.899,00
178-580-02D*	SJ-411 Surftest	8.430,00	6.899,00
178-582-01D*	SJ-412 Surftest	9.900,00	7.899,00

* Only limited stocks available!

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Data Management Software by Mitutoyo

No. 178-580-01D

~~€ 8.430~~

Promo price € 6.899



Software for SJ-500 series and RA-120 "USB Communication Tool" on:
http://www.mitutoyo.eu/en_us/downloads/software-and-updates/ (Registration required)

PC MODEL AVAILABLE!*

SKIDLESS ROUGHNESS MEASUREMENT – SURFTEST SJ-500

- > The SJ-500 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 large color LCD touchscreen facilitates easy readout and operation in multiple languages.

No.	Designation	List price €	Promotion price €
178-532-01D	Surftest SJ-500	12.600,00	9.999,00

* For details about the PC model please contact your local Mitutoyo or distributor.

No. 178-532-01D

~~€ 12.600~~

Promo price € 9.999



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COMPACT ROUNDNESS TESTER ROUNDTTEST RA-120

- > Quick and easy form deviation check for production environments.
- > D.A.T. (digital adjustment table) for guided centering and leveling.
- > Provides comfortable one-handed positioning.
- > Amazing turntable accuracy of (0,04+0,0006H) µm.

No.	Designation	List price €	Promotion price €
211-542D	Roundtest RA-120	13.800,00	11.199,00

* For details about the PC model please contact your local Mitutoyo or distributor.

PC MODEL AVAILABLE!*

No. 211-542D

~~€ 13.800~~

Promo price € 11.199



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



MeasurLink® ENABLED
Data Management Software by Mitutoyo

Surftest Mix & Match

Combine your Mitutoyo SJ Series with one of our most desired accessory bundles and save even more!



SJ-SERIES GRANITE STAND BUNDLE 1

> To be connected with the SJ-210/310 drive unit, the granite stand (178-029) and adapter (12AAA221) make it possible to adjust and match the height of the item to be measured.

No. SJSET01

~~€ 783~~

Promo price € 599

No. SJSET02

~~€ 3.102~~

Promo price € 2.499



SJ-SERIES GRANITE STAND BUNDLE 2

> This bundle coming with the auto-set unit (178-010) and granite stand (178-039) enables measurements with Surftest SJ-410 to be made with a single button push, saving you time and increasing work efficiency.



SJ-SERIES DATA MANAGEMENT BUNDLE 1

> Created for customers who do not already own USB-ITPAK, this bundle allows you to load calculation results from the Surftest SJ to commercial spreadsheet software on a PC. Essentially, this can be performed with a one-touch operation to enter the values directly into the spreadsheet cells.

No. SJSET03

~~€ 360~~

Promo price € 289

No. SJSET04

~~€ 827~~

Promo price € 659



SJ-SERIES DATA MANAGEMENT BUNDLE 2

> Created for customers who do not already own the U-WAVE-R receiver, this bundle allows you to load calculation results from the Surftest SJ to commercial spreadsheet software on a PC wirelessly. Essentially, this can be performed with a one-touch operation to enter the values directly into the spreadsheet cells.



SJ-SERIES DATA MANAGEMENT BUNDLE 3

> Created for customers who already own the U-WAVE-R receiver, this bundle allows you to load calculation results from the Surftest SJ to commercial spreadsheet software on a PC. Essentially, this can be performed with a one-touch operation to enter the values directly into the spreadsheet cells.

No. SJSET05

~~€ 250~~

Promo price € 199



No. TMSET01

~~€ 6.411~~

Promo price € 4.999



LED ring light

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

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

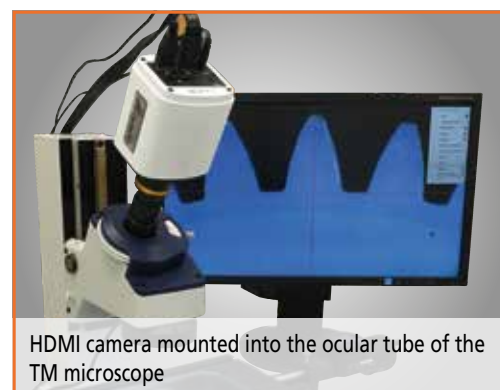
TM-1005B Set

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

DIGITAL CAMERA ACTION FOR TM MICROSCOPES

Mounting the HDMI6MDPX digital camera into the ocular tube transforms the TM microscope into a digital microscope.

- > HDMI6MDPX, 6-megapixel color camera with direct HDMI output to a monitor
- > Integrated SD card for saving images and pre-installed software for performing basic in-screen measurements
- > Intuitive operation of the software with standard supplied USB mouse
- > No PC necessary



HDMI camera mounted into the ocular tube of the TM microscope

HDMI6MDPX camera set

No.	Designation	List price €
63AAA353	HDMI6MDPX color camera 0.37X optical C-Mount adapter Mechanical adapter for TM microscopes	1.724,00



HDMI6MDPX camera

MEASURING MICROSCOPES



No. MFSET01
~~€ 16.816~~
 Promo price € 13.599

MEASURING MICROSCOPE MF GENERATION D

- > 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 their 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.

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

DIGITAL CAMERA ACTION FOR MF MICROSCOPES

Mounting the Invenio 55CIII camera onto the camera adapter transforms the MF microscope into a powerful digital microscope.

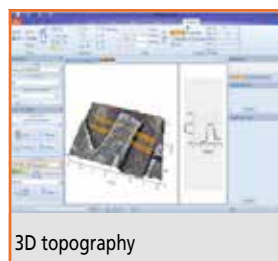
- > Invenio 55CIII, 5-megapixel color camera with high-speed USB3 communication
 - > Ideal for documentation and analysis for a wide range of applications
- Mitutoyo MF software package enhances the functionality of the microscope with:
- > Reporting functionality of images and measurement results
 - > Images with extended depth of focus
 - > 3D topography observation by stacking images in Z-direction
 - > Counting of particles



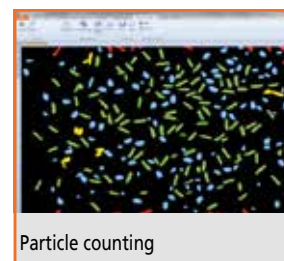
Invenio camera with C-mount adapter mounted on the MF microscope

HDMI6MDPX camera set

No.	Designation	List price €
63AAA355	Invenio 55CIII digital USB color camera 0,5X optical C-Mount adapter	1.665,00
63AAA066	Mitutoyo MF package: This package includes - Insight Basic - EEEF extended depth of focus - Topography - Segmentation and counting	1.500,00



3D topography



Particle counting



HURRY WHILE STOCKS LAST!

M2 2D Processor is optional

No. 302-701-1D

~~€ 12.880~~

Promo price € 9.799

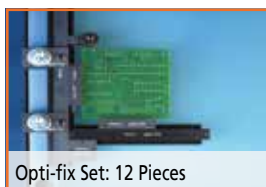
PROFILE PROJECTOR PJ-A3000 SERIES

The PJ-A3000 series profile projectors with a vertical optical system provide excellent versatility and ease of use for the measurement of medium-sized workpieces.

- > Linear scales integrated into the XY stage
- > Built-in rotary encoder in the $\varnothing 315$ mm projection screen
- > XY stage equipped with a quick-release mechanism for fast table movements
- > 10X objective lens included

No.	Designation	List price €	Promotion price €
302-701-1D*	PJ-A3010F-200: XY stage: 200 x 100 mm	12.880,00	9.799,00
302-702-1D*	PJ-A3010F-150: XY stage: 150 x 50 mm	11.330,00	8.599,00
302-703-1D*	PJ-A3010F-100: XY stage: 100 x 100 mm	10.890,00	8.299,00

* Only limited stocks available!



Opti-fix Set: 12 Pieces

Optional accessories

No.	Designation	List price €	Promotion price €
K550892	Opti-fix clamping system	498,00	399,00

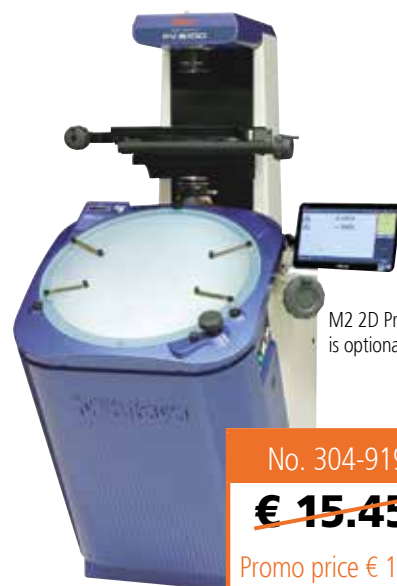
PROFILE PROJECTOR PV-5110

The robust stand-alone PV-5110 profile projector with a vertical optical system provides excellent observations with its big $\varnothing 508$ mm projection screen.

- > Linear scales are integrated into the XY stage
- > Built-in rotary encoder in the $\varnothing 508$ mm projection screen
- > 10X objective lens is included

To suit customers' 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	11.999,00



M2 2D Processor is optional

No. 304-919D

~~€ 15.450~~

Promo price € 11.999



M2 DATA PROCESSING SYSTEM FOR PROFILE PROJECTORS 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 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

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 data processing system (without edge detection) and a tablet PC	2.441,00	2.319,00
M2SET02	Set of M2 data processing system (with edge detection) and a tablet PC	3.691,00	3.499,00

FIXTURES

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. Therefore, eco-fix is a very attractive alternative to customized jigs.

- > Fits all CMM brands
- > Build your individual fixture in only 20 minutes!
- > 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
- > Also ask for eco-fix extension kits!



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-sized 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

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 change over 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 sphere bolts	1.963,00	1.679,00
K543812	Rack for 6 pallets	1.792,00	1.479,00



K543812: Pallet and workpiece not included

No.	Designation	List price €	Promotion price €
K651445	Styli Kit M2/M3 MiSTAR For TP20/200 SP25M probe systems. Including: <ul style="list-style-type: none"> • 5-way stylus holder • 5 CFK M2 styli for best performance • M2/M3 adaptor • Knuckle joint M2 • Tungsten carbide styli M2 and M3 	750,00	649,00

No. K651445

~~€ 750~~

Promo price € 649

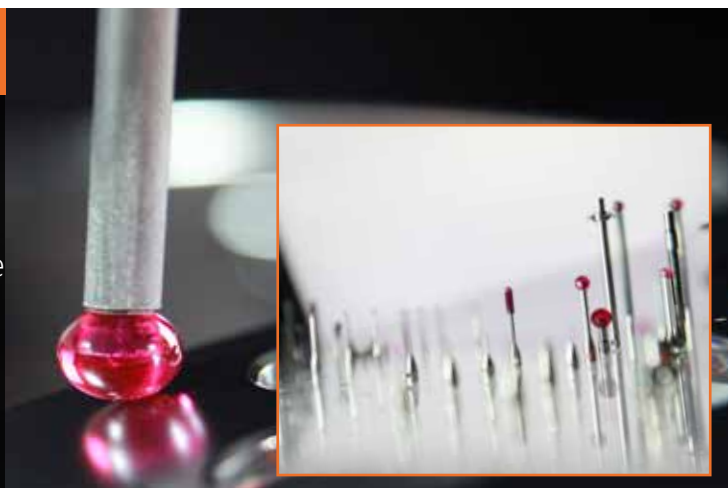


MAXIMUM PRECISION, PIONEERING INNOVATION AND CONVINCING ECONOMICS

Steel, aluminium, or ceramics? Ruby, zirconium oxide, or silicon nitride?

The Mitutoyo product line includes over 600 probe components plus highly specialized equipment to provide the best possible solution to your specific measurement needs with a sophisticated sense of touch, for measurably better results.

Find out more at www.mitutoyo.eu



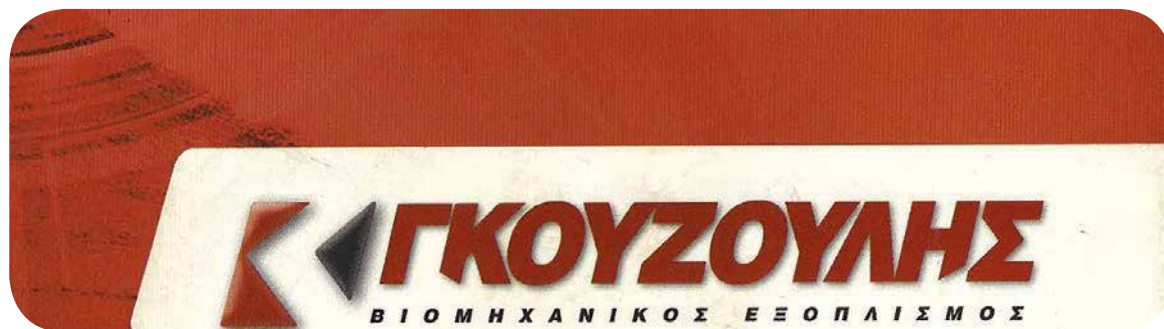
No.	Designation	List price €	Promotion price €
K651376	Styli Kit M2 Starter For TP20 or TP200 probe systems. Including: <ul style="list-style-type: none"> • 4 styli with tip diameters from \varnothing 1 mm to \varnothing 4 mm • 2 extensions 10 mm and 20 mm • Establish stylus lengths up to 50 mm 	144,00	119,00
K651380	Styli Kit M3 Starter For SP25M probe systems. Including: <ul style="list-style-type: none"> • 5 styli with tip diameters from \varnothing 1 mm to \varnothing 5 mm • 2 extensions 20 mm and 35 mm • Establish stylus lengths up to 55 mm 	206,00	169,00
K651383	Styli Kit M4 For SP25M probe systems. Including: <ul style="list-style-type: none"> • 11 styli with tip diameters from \varnothing 1 mm to \varnothing 8 mm • 2 ceramic extensions 30 mm and 50 mm • Establish stylus lengths up to 100 mm • M3/M2, and M4/M3 adaptor • 5-way stylus holder M2, M3, and M4 	913,00	739,00

No. K651383

~~€ 913~~

Promo price € 739





Action valid from October 1, 2020 through January 31, 2021. 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.ro.
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



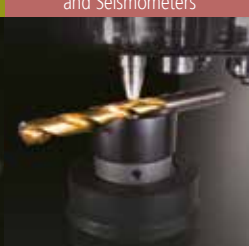
Optical Measuring



Sensor Systems



Test Equipment
and Seismometers



Digital Scale and DRO Systems



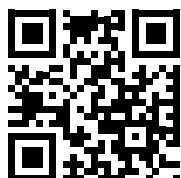
Small Tool Instruments
and Data Management



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

Mitutoyo is not only a manufacturer of top quality measuring products but 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.ro

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