### Mitutoyo



Valid from November 1, 2024 until January 31, 2025

### The New QuantuMike







Faster measurement by using a coarser









For additional accessories and their compatibility, please find the table on page 42.

#### **High Speed & High Accuracy** $\circ$



High accuracy measurement of  $J_{MPF} \pm 1 \mu m$ Range 0-25 mm and 0-50 mm

293-140-40

€ 380,00

#### **Bidirectional Digimatic** S1 interface.

In addition to outputting measurement data, it is also possible to perform operations such as setting and controlling the digimatic gauge itself and collecting individual information of digimatic gauges from the connected PC.

#### Ratchet thimble Ratchet speeder

Ratched thimble mechanism that allows stable measurement even when operated one-handed.

Ratcheting microvibrations along the axis of measurement help ensure stable measurement





293-141-40

€ 468,00

Range 25-50 mm



293-142-40

€ 556,00

Range 50-75 mm



Also available:

293-143-40

€ 628,00

Range 75-100 mm



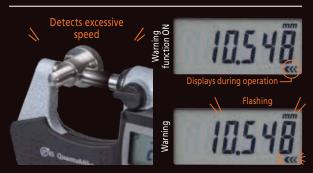
#### Reliable

O

O

#### Approach Speed Warning Function





The approach speed warning function detects collisions with workpieces due to excessive speed. This way, even inexperienced workers can obtain stable and accurate measurement results.

#### Calibration Schedule Alert Function





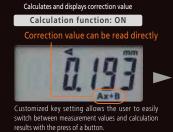
The calibration advance warning date and calibration date can easily be set. A warning is displayed when the calibration time approaches and on the calibration date to prevent skipped calibration. This is an effective function for proper management of the digimatic gauge.

#### Supports Measuring Workers With Tolerance Judgment and Calculation Functions











The micrometer determines whether the measurement value is within the upper and lower limits of tolerance and displays a tolerance judgment mark. The user can judge pass/failure at a glance. Using the calculation function, it is also possible to calculate correction values for a processing machine from the measurement results. This eliminates the potential inconvenience of calculations and prevents human errors, such as confusing plus and minus values when entering correction values into a processing machine, thereby contributing to the reduction of processing defects.

#### Easy to use

- Large display with excellent visibility
- Large buttons and key customization
- Dramatically improves work efficiency by connecting with a PC or mobile device

# Digital Micrometer

For additional accessories and their compatibility, please find the table on page 42.



To see our whole range of micrometers, including technical details and accessories, scan the QR code.



#### Digital Absolute Micrometer Ouickmike IP65

Range 0-30 mm With data output With 10 mm feed/ thimble rotation



#### Also available:



#### Also available:











#### **Digital Micrometer IP65**

Range 0-25 mm With data output







0-25 mm and 25-50 mm









#### **Wireless Set, U-WAVE Bluetooth**

Transmitter + connector unit + IP65 micrometer





Range 0-25 mm With data output

293-230-30

+ 264-626

+ 02AZF310

#### Digital Micrometer IP65 Set

Range 0-100 mm (4 pcs.) With data output



## Analog Micrometer



To see our whole range of micrometers, including technical details and accessories, scan the QR code.



#### Outside Micrometer with Heat Ins. Plate

Range 0-25 mm



#### Outside Micrometer Economy Design

Range 0-25 mm



#### Outside Micrometer Economy Design

Range 25-50 mm





#### **Outside Micrometer Economy Design Set**

Range 0-150 mm (6 pcs.)





#### **Digit Outside Micrometer**

Range 25-50 mm

| 193-102                       |  |  |  |
|-------------------------------|--|--|--|
| € 232,00 € 189,00 PROMO PRICE |  |  |  |
|                               |  |  |  |

# Digital Micrometer

For additional accessories and their compatibility, please find the table on page 42.





except 422-411-20

#### COOLANT **PROOF**™



except 422-230-30



To see our whole range of micrometers, including technical details and accessories, scan the OR code.

#### Digital Disc Micrometer IP65

Range 0-25 mm Disk 20 mm With data output



#### Digital Disc Micrometer IP65

Range 25-50 mm Disk 20 mm With data output



#### Digital Spline Micrometer IP65

Range 0-25 mm Measuring face 3 mm With data output



#### Absolute Digital Blade Micrometer Quickmike IP65

Range 0-30 mm Blade 0,75 mm With data output

**ABSOLUTE**<sup>™</sup>





Range 0-25 mm Blade 0,75 mm With data output







Also available:

422-231-30

€ 1.208

€ 969,00

PROMO PRICE

Range 25-50 mm Blade 0,75 mm With data output



#### Micrometer Stand, Adjustable Angle Type

For micrometer 0-100 mm/ 0-4"

#### Digital Crimp Height Micrometer IP65

Range 0-20 mm With data output



#### Indicating Micrometer

Range 0-25 mm





#### **Dial Snap Meter**

Range 0-25 mm





# Digital Calipers

For additional accessories and their compatibility, please find the table on page 42.



To see our whole range of calipers, including technical details and accessories, scan the QR code.

ABS**O**LUTE™







Also available:
500-184-30

€ 134,00

Range 0 -150 mm

Round rod

Without data output

Also available:

Also available:
500-158-30

€ 208,00 € 159,00
PROMO PRICE

Range 0 -150 mm

Round rod & with thumb roller

With data output

Also available:
500-182-30

€ 215,00

Range 0 -200 mm

Flat rod

Without data output

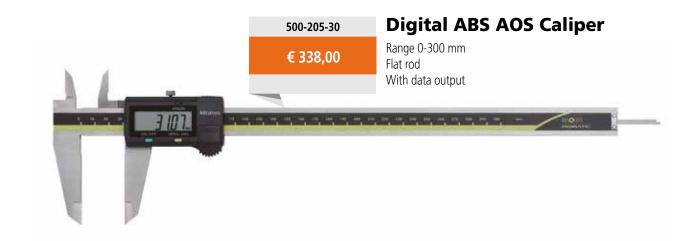
Also available:
500-162-30

€ 241,00 € 189,00 PROMO PRICE

Range 0 -200 mm

Flat rod

With data output





500-706-20

#### **Digital ABS Caliper IP67**

Range 0-150 mm Flat rod Without data output











| Also available:<br>500-716-20 |                         |  |
|-------------------------------|-------------------------|--|
| 200 7 10                      |                         |  |
| € 256,00                      | € 209,00<br>PROMO PRICE |  |
| Range 0 -150 mm               |                         |  |
| Flat rod                      |                         |  |
| With data output              |                         |  |







#### **Wireless Set U-WAVE Bluetooth**

#### **Wireless Set U-WAVE Bluetooth**

(except 500-961-30)

Transmitter + connection unit + caliper

Transmitter + connection unit + IP67 caliper











500-961-30







Lightweight: 2,56 kg

# Analog Calipers



To see our whole range of calipers, including technical details and accessories, scan the QR code.

#### **Vernier Caliper**

Range 0-150 mm 0,05 mm Metric



#### 







#### **Dial Caliper**

Metric/inch

Range 0-150 mm, 0,02 mm, 2 mm/rev Metric







## Indicators & Dial **Test Indicators**



To see our whole range of indicators & dial test indicators, including technical details and accessories, scan the QR code.

For additional accessories and their compatibility, please find the table on page 42.

**Dial Gauge** 

Lug back Range: 10 mm Graduation: 0,01 mm





2046A € <del>49.</del>00

2046AB € 48.Q0

Also available:

Flat back 10 mm, 0,01 mm Also available:

2046AB-60

Flat back

IP64, 10 mm, 0,01 mm



#### **Dial Test Indicator**

Vertical type Range: 0,8 mm, graduation: 0,01 mm With 8 mm stem



#### **Dial Test Indicator**

Horizontal type Range: 0,8 mm, graduation: 0,01 mm



#### **Digital ABS Indicator ID-C**

With bidirectional interface digimatic S1 Flat back plate, range: 12,7 mm, digital step: 0,0005 mm



#### **Digital ABS Indicator ID-S**

Flat back plate, range: 12,7 mm, digital step: 0,01 mm









#### **Digital ABS Indicator ID-F**

With bidirectional interface digimatic S1 With CEE AC-adapter/ flat back plate Range: 12,7 mm, digital step: 0,0005 mm

#### Also available:

543-851D

25,4 mm, 0,0005 mm

#### Also available:

543-853D € 809,00 €1:015 50,8 mm, 0,0005 mm









Peak hold (MAX/MIN/RANGE) function Flat back plate Range: 12,7 mm, digital step: 0,001 mm







543-300B-10

€ 514,00

€ 409,00

#### **High Accuracy Digital Indicator ID-H**

Accuracy: E<sub>MPE</sub> 1,5 µm With CEE AC-adapter/ flat back plate Range: 30,4 mm, digital step: 0,0005 mm



#### **Remote Controller**

For ID-H indicator



#### **Spindle Lifting Lever**

For dial indicators and digital indicators, please refer to the accessory list on page 42

Also available:

8





#### **Spindle Lifting Cable**

For dial indicators and digital indicators, please refer to the accessory list on page 42

L = 500 mm



#### **Contact Element Set**

M2,5x0,45 6 pcs., metric







#### **Jointed Magnetic Stand**

Approx. 250 mm working radius

| 7032-10  |                      |  |
|----------|----------------------|--|
| € 461,00 | € 369,00 PROMO PRICE |  |
|          |                      |  |

| Also available:   |                         | Also available:   |                         |
|-------------------|-------------------------|-------------------|-------------------------|
| 7031-10           |                         | 7033-10           |                         |
| € 438,00          | € 349,00<br>PROMO PRICE | € 499,00          | € 399,00<br>PROMO PRICE |
| approx. 154 mm wo | orking radius           | approx. 346 mm wo | orking radius           |

#### 2-Point Inside Measuring Instrument

18-150 mm With digital indicator, 0,001 mm





#### Inside For additional accessories and their compatibility. please find the table on page 42. Micrometers



To see our whole range of inside micrometers, including technical details and accessories, scan the QR code.



#### 3-Point Internal **Micrometer Holtest Set**

6-12 mm (3 pcs.) With titanium coated contact points



Also available:

| Also available: |                         |  |
|-----------------|-------------------------|--|
| 368-912         |                         |  |
| € 942,00        | € 769,00<br>PROMO PRICE |  |

€ 1.779 20-50 mm, (4 pcs.)

368-913

#### Also available: 368-914 € 2.059 50-100 mm, (4 pcs.)

#### 3-Point Internal **Micrometer Holtest Set**

50-100 mm (4 pcs.), economy set With contact points of alloy steel



Also available:

#### **Digital 3-Point Internal Micrometer Set**

6-12 mm (3 pcs.) Complete unit **IP65** 

12-20 mm, (2 pcs.)









Also available:

# Depth Measuring

+ For additional accessories and their compatibility, please find the table on page 42.



To see our whole range of depth measuring instruments, including technical details and accessories, scan the QR code.













#### **Dial Indicator Depth Gauge**

0-200 mm 63,5 mm base With 5 extension rods



#### **Depth Micrometer**

0-25 mm 63.5 mm base



# Gauge Blocks



To see our whole range of gauge blocks, including technical details and accessories, scan the QR code.



#### **Gauge Block Set**

Metric, inspection certificate, ISO 47 blocks, grade 0, steel



516-962-10 € 1.619 € 2:027

Also available:

516-964-10 € 1.059 Metric, inspection certificate, ISO

Metric, inspection certificate, ISO 47 blocks, grade 2, steel

**€1:561** 

47 blocks, grade 1, steel

# Height Gauges

For additional accessories and their compatibility, please find the table on page 42.



To see our whole range of height gauges, including technical details and accessories, scan the QR code.

#### **Digital ABS Height Gauge**





570-404

€ 1.382

€ 1.079

PROMO PRICE

0-600 mm, 0,01 mm

With handwheel

#### Also available:



#### Digital Height Gauge Double Column

0-1000 mm, 0,005 mm



# Data For additional accessories and their compatibility, please find the table on page 42. Management



To see our whole range of data management products, including technical details and accessories, scan the QR code.

#### **USB-ITPAK Vers. 3.0**

Full version
USB dongle + manual (software available online)

USB-ITPAK Version 3 is software for collecting data from measuring instruments with digimatic, data output to Excel by using USB Input Tool Interface Box, USB Input Tool Direct Cables, U-WAVE wireless system and DP-1VA printer/logger.



#### USB Input Tool Interface Box

The USB input tool interface box is used for connecting measuring instruments with a digimatic data output to a USB-port of a PC. Keyboard format (HID) or virtual com-port (VCP).



#### Statistic Processing Printer/Logger DP-1VA

This data printer and logger is used for printing measurement data from measuring instruments with digimatic data output and to perform statistical analysis.



# Digimatic Cables Digimatic to USB

### Cables



Digimatic cables are used for connecting measuring instruments with digimatic data output e.g. to USB input tool interface box or DP-1VA printer.

#### Digimatic Cable, Flat Straight Type

1 m cable



905338 € 37,00



#### Digimatic Cable, Flat 10-Pin Type

1 m cable



| 965014    |
|-----------|
| € 72,00   |
| 2 m cable |
|           |

#### Digimatic Cable, Straight, Data Button

1 m cable



|         | Also available: |  |
|---------|-----------------|--|
| 959149  | 959150          |  |
| € 48,00 | € 57,00         |  |
|         | 2 m cable       |  |

#### Digimatic Cable with Data Button IP Type

1 m cable Caliper type



#### **Digimatic Cable, Straight**

1 m cable, Digimatic / Digimatic 2/
Digimatic S1 interface

Also available:

06AGL011

€ 79,00

€ 84,00

2 m cable

#### **Digimatic Cable with Data Button IP Type**

1 m cable, Digimatic/ Digimatic 2/ Digimatic S1 interface



|          | Also available: |  |
|----------|-----------------|--|
| 06AGL111 | 06AGL121        |  |
| € 129,00 | € 138,00        |  |
|          | 2 m cable       |  |
|          |                 |  |



Digimatic to USB cables for connecting measuring instruments with digimatic data output e.g. to the USB-port of a PC. Keyboard format (HID) or virtual COM-port (VCP).

For additional accessories and their compatibility, please find the table on page 42.



#### **USB Input Tool Direct** (Digimatic to USB)

2 m cable, with data button IP caliper 67 type



USB A connector to PC



#### **USB Input Tool Direct Footswitch Adapter**

For Mitutoyo Software USB-ITPAK or Mitutoyo MeasurLink





#### **Footswitch for SPC**



To see our wireless communication system U-WAVE, including technical details, scan the QR code.



#### **U-WAVE-R Wireless Receiver**

For U-WAVE fit and U-WAVE-T transmitter based on IEEE802.15.4 (2,4 GHz)



#### **U-WAVE fit**

Wireless transmitter for micrometer/ indicator based on IEEE802.15.4 (2,4 GHz) IP67 type



264-622





#### **U-WAVE fit**

Wireless transmitter for caliper based on IEEE802.15.4 (2,4 GHz) IP67 type





#### **U-WAVE-T**

Wireless transmitter for miscellaneous measuring instruments based on IEEE802.15.4 (2,4 GHz) Buzzer type





€ 139,00

#### **U-WAVE fit Bluetooth**

Wireless transmitter for micrometer/ indicator IP67 type





264-626

€ 185.00

€ 139,00

#### **U-WAVE fit Bluetooth**

Wireless transmitter for caliper IP67 type



|          |                         | Also available: |    |
|----------|-------------------------|-----------------|----|
| 264-6    | 24                      | 264-62          | 25 |
| € 185,00 | € 139,00<br>PROMO PRICE | € 185,00        | €  |
|          |                         | For caliper     |    |
|          |                         | Buzzer type     |    |

#### **Connection Unit for caliper**

For U-WAVE fit, U-WAVE fit Bluetooth









#### Connection Unit for ID-C Indicator

U-WAVE fit, U-WAVE fit Bluetooth for Digimatic S1 interface, for new 12,7 mm ID-C Indicator only

| 00  | A 71 | 700              |
|-----|------|------------------|
| 117 | Δ/Ι  | <del>-</del> 700 |
| 02  | ~~:  | , ,              |



€99,90 PROMO PRICE



#### **Connection Unit IP Caliper/Micrometer**

With data button for U-WAVE fit, U-WAVE fit Bluetooth

#### 02AZF310



₹ 74,90 PROMO PRICE



### Connection Unit for IP Micrometer new QuantuMike

U-WAVE fit, U-WAVE fit Bluetooth for digimatic S1 interface









#### **Connection Cable for all U-WAVE Transmitter**

Connection cable for U-WAVE with data button for IP caliper type

#### 02AZD790A



€ **59,90**PROMO PRICE



#### Also available:

#### 02AZD790B



€ 59,90 PROMO PRICE

For IP micrometer type
With data button

Also available:

02AZD790E

Round 6-pin type

#### Also available:

#### 02AZD790C

€ 105,00 €54,90 PROMO PRIO

Straight

With data button

#### Also available:

02AZD790F

€ 98,00 € 52,90 PROMO PRICE

Straight

Without data button

#### Also available:

#### 02AZD790D

€ 98,00

€ 52,90 PROMO PRICE

Flat 10-Pin type

#### Also available:

02AZD790G

For IP66 Indicators ID-N & ID-B

#### Also available: 02AZG011

€ 134,00

€ 109,00 PROMO PRICE

Digimatic S1 interface
Straight

## Linear Height LH-600 F/FG



To see our Linear Height, including its technical details and accessories, scan the QR code.





- Measurement operations can be performed by using the hybrid controller box with a touch screen and integrated sheet keyboard
- > Capable of measuring with a digital step of 0,1 µm
- $\rightarrow$  Excellent accuracy of (1,1 + 0,6L/600) µm
- > Bidirectional Digimatic data output (Digimatic S1)
- Measurement results can be printed from a receipt printer or Digimatic Printer (DP-1VA) and sent to a PC via wireless communication based on IEEE802.15.4 or Bluetooth
- Pneumatic drive mechanism
- > Automatic running of pre-learned part programs
- > Excellent visualization of GO/±NG tolerance comparisons
- Independent operation with rechargeable battery
- > LH-communication tool software available online free of charge

#### All sets include E-learning and Stylus Kit:







#### **LH-600FG SET**

Model with power grip, including an e-learning course, stylus kit, and CEE AC power cord

Range 0-977 mm
Digital step 0,0001 mm
Set consists of
1 pc. linear height LH-600 FG
Height gauge
Stylus kit M3 for Linear Height
Power cable CEE type



#### **LH-600F SET**

Model without power grip, including an e-learning course, stylus kit, and CEE AC power cord

Range 0-977 mm
Digital step 0,0001 mm
Set consists of
1 pc. linear height LH-600 F
Height gauge
Stylus Kit M3 for Linear Height
Power cable CEE type



With excellent accuracy of (1,1 + 0,6L/600) µm



# Surftest and Accessories



To see our whole range of surface roughness measuring instruments, including technical details and accessories, scan the QR code.



- Portable instruments that allow easy and accurate onsite measuring of surface roughness, independent of external power sources.
- Boasting comfortable use, the SJ Series retains an easy and intuitive menu navigation.
- > 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.

- 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 SJ-410 Series features a high straightness drive unit with a traverse length of 25 mm and 50 mm. There is a large number of easy to replace styli compatible with both lengths for customers to choose from.

#### X-Axis Adjustment Unit



#### **Digital Leveling Unit**



#### **Autoset Unit**



The SJ-410 Series offers several optional accessories like the autoset unit, X-axis adjustment unit, and digital leveling unit that can be mounted on the granite stand – individually or combined.

## **Hardness Sets**





Compatible with **HR-210MR** and **HR-430MR** 

These are six economical Rockwell hardness testing machines to suit practically every application you may need.

#### HR-200/300/400 Series

- They are very simple to operate: the analog type HR-210 uses an automatic presetting dial gauge.
- > Digital models HR-320/430 use automatic steering wheel braking to prevent over application of test force.
- Digital models HR-320MS and HR-430MR/MS can use our digimatic mini-processor (DP-1VA) for printing.

#### **HR-530 Series**

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





HR-32 ₹7:91



HR-210MR Set Rockwell Hardness Testing Machine

HR-320 MS SetDual Type (Rockwell/ Rockwell Superficial) Hardness Testing Machine

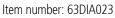
#### **All Sets Include:**

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

For additional accessories and their compatibility, please find the table on page 42.

#### **Diamond Cone Indenter for Rockwell Test, Standard Type**

With DAkkS calibration certificate conforming to ISO 6508-2 and ASTM E18 Class B without function test





#### **60HRC Rockwell Hardness Reference Material**

With DAkkS calibration certificate conforming to ISO 6508-3 and ASTM E18, 60x60x16mm, steel, standard



















HR-530L Set

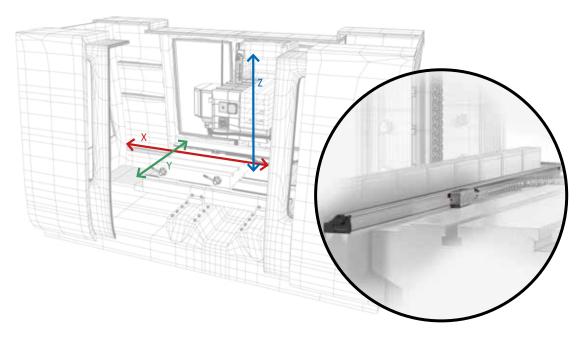
**HR-530 Set** 

**HR-430MR Set** 

**HR-430MS Set** 

## Linear Scales





#### **Linear Scale Counter KA-212**

#### **Linear Scale Counter KA-213**







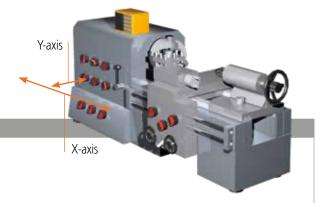




2-axis KA-200 COUNTER plus two scales with max. 2.000 mm effective range

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





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



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

| No.      | Effective range (mm) | Total length (mm) | List price € |
|----------|----------------------|-------------------|--------------|
| 539-860N | 2.000                | 2.198             | 1.050,00     |
| 539-861N | 2.200                | 2.398             | 1.130,00     |
| 539-862N | 2.400                | 2.598             | 1.341,00     |
| 539-863N | 2.500                | 2.698             | 1.381,00     |
| 539-864N | 2.600                | 2.798             | 1.423,00     |
| 539-865N | 2.800                | 2.998             | 1.515,00     |
| 539-866N | 3.000                | 3.198             | 1.683,00     |

| Max. traveling speed 50 m/min | Effective range | Accuracy<br>± 5 μm |
|-------------------------------|-----------------|--------------------|
| 3011//11111                   | 600 – 1.800 mm  | ±7 μm              |
|                               | 2.000-3.000 mm  | ± 10 μm            |







The offered set contains linear scales with a range of up to 1800 mm

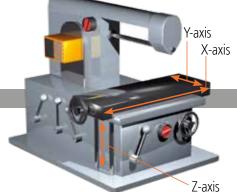
| No.      | Effective range (mm) | Total length (mm) |  |  |  |  |
|----------|----------------------|-------------------|--|--|--|--|
| 539-801R | 100                  | 278               |  |  |  |  |
| 539-802R | 150                  | 328               |  |  |  |  |
| 539-803N | 200            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



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

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





## **Fixture Sets**



Mitutoyo fixture equipment is designed and manufactured with uncompromising precision in mind. Additionally, universality, flexibility, repeatability, and efficiency are essential aspects for choosing Mitutoyo fixturing systems. Quintessentially, our products are the result of over 40 years of experience in fixture system development.

#### MiSTAR Styli Kit M2 M3

Styli components optimized for the use with MiSTAR CMM,15 pieces

K651445 € 857,00 € 699,00 PROMO PRICE











#### eco-fix Kit L, 98pcs.

CMM fixtures, eco-fix series



### MeasurLink 10



MeasurLink is Mitutoyo's data collection and Statistical Process Control (SPC) software solution. It is the ideal solution to automate and centralize data collection, analyze inspection data, monitor process performance, reduce scrap and ultimately enhance product quality and customer satisfaction. MeasurLink captures measurement data from sensors and gauges connected via Real-Time Professional V10, ensuring precise and consistent process analysis.

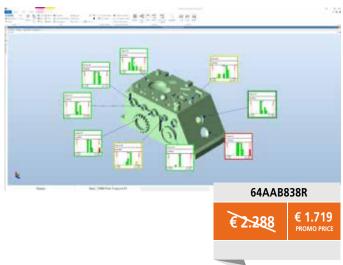
#### ML Real-Time Professional V10

Real-Time Professional Edition is the essential tool for data collection from measurement instruments, which ensures seamless integration. It is therefore designed for customers that need to connect to major instruments, such as CMMs, vision and form, etc. systems via DDE or ASCII file import.



#### ML Real-Time Professional 3D V10

Real-Time Professional 3D Edition adds true 3D model support, enhancing data visualization and analysis capabilities with three-dimensional representations.



#### **ML Process Analyzer Professional V10**

Process Analyzer Professional Edition analyzes data collected on all networked real-time stations to identify problem areas, take corrective action, and improve the quality of your product. Inspection data can be merged, filtered, charted, and printed to identify long term trends and identify root causes for process improvement.



#### **ML Process Manager V10**

Process Manager is a dashboard view of the current shop floor activity. It provides managers with the perfect tool to organize and maintain a shopwide quality program at a glance.



#### **ML Report Scheduler V10**

MeasurLink 10 Report Scheduler automates report creation and distribution by email or export in various formats. It generates reports based on logged tasks, ensuring timely and accurate data delivery, without manual intervention.



#### **ML Gauge Management V10**

Gauge Management Standard Edition organizes and manages gauge information, establishes calibration standards, and builds a metrology asset database. It generates calibration procedures with detailed instructions and provides reports on due or overdue calibrations.

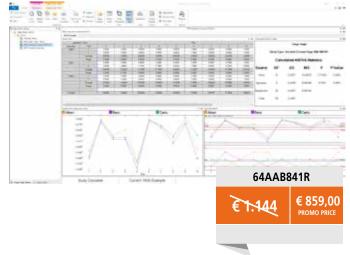


#### **ML Site License V10**



#### ML Gauge R&R V10

MeasurLink Gauge R&R determines a measurement system's capability using a set of techniques designed to ensure accuracy for any measurement task.



#### **ML Workgroup License V10**





#### MeasurLink®



# Profile Projectors



For more details, please scan the QR code.

For non-contact measurement, inspection, and observation, especially useful for small, deformable, or fragile parts.

- Observe surface profiles or inspect minute assemblies with surface illumination.
- Wide selection of accessories for your measurement and inspection task.
- > Install and operate in a wide range of environments from inspection rooms to manufacturing and processing sites.



#### PJ-P2010A Set

10X objective lens included

200 x 100 mm XY stage with integrated linear scales and quick-release for fast table movements



#### **High Visibility Digital Display**



#### **Stepless Illumination Adjustment**





STABLE COLOR TEMP.



**FANLESS** 



LED



#### **Opti-fix Set Basic**

12pcs





#### **M2 Software for Profile Projectors**

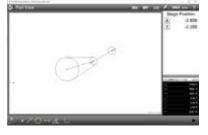
#### Main features:

- > Measure, construct, and define 2D features.
- > Part program teach-in.
- > Comprehensive measurement reports.
- > Tolerance check according to DIN / ISO.

#### M2 sets 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 (75x75) for mounting the optional tablet PC to the projector body.
- > Asus AiO PC for M2.
- > M2SET02 with "EdgeLogicTM".

#### 



M2 Software





M2 with edge detection unit "EdgeLogicTM"

#### Advanced crosshair probe toolbox

Available crosshair probes consist of "auto edge" and "simple" versions that can be used with optical edge enabled systems. Made for capturing points from edges automatically upon crossing, the auto edge probe significantly increases measurement throughput. For optical edge systems only, a key feature of the M2 software, "EdgeLogic<sup>TM</sup>", makes it possible to enable gesture-driven control of start and end measurement commands. You can now start and finish your measurements quickly and easily, without the need for direct interaction with the software.



ASUS AiO PC for M2 system

## Accessories

|                        | Products  | 293-140-40 | 293-230-30 | 293-666-20   | 500-161-30 | 500-716-20   | 550-207-10 | 552-306-10 |
|------------------------|---|------------|------------|--------------|------------|--------------|------------|------------|
|                        | Houses  | 293-141-40 | 293-231-30 | 293-667-20   | 500-158-30 | 500-717-20   | 330 207 10 | 332 300 10 |
|                        |   | 293-142-40 | 293-232-30 | 293-668-20   | 500-162-30 | 550-331-20   |            |            |
|                        |   | 293-143-40 | 293-233-30 | 422-411-20   | 500-205-30 | 551-331-20   |            |            |
|                        |   |            | 293-234-30 |              | 300 203 30 | 571-252-20   |            |            |
|                        |   |            | 293-963-30 |              |            | 57 . 252 25  |            |            |
|                        |   |            | 323-250-30 |              |            |              |            |            |
|                        |   |            | 323-251-30 |              |            |              |            |            |
|                        |   |            | 331-251-30 |              |            |              |            |            |
|                        |   |            | 342-271-30 |              |            |              |            |            |
|                        |   |            | 422-230-30 |              |            |              |            |            |
|                        |   |            | 422-231-30 |              |            |              |            |            |
| Accessories            |   |            |            |              |            |              |            |            |
| 264-020                | USB Input Tool Interface Box  | ✓          | ✓          | ✓            | ✓          | ✓            | ✓          | ✓          |
| 905338                 | Digimatic Cable, Flat Straight Type   |            |            |              |            |              |            |            |
| 905409                 | Digimatic Cable, Flat Straight Type   |            |            |              |            |              |            |            |
| 959149                 | Digimatic Cable, Straight, Data Button,   |            |            |              | ✓          |              | ✓          |            |
| 959150                 | Digimatic Cable, Straight, Data Button,   |            |            |              | ✓          |              | ✓          |            |
| 936937                 | Digimatic Cable, Flat 10-Pin Type   |            |            |              |            |              |            |            |
| 965014                 | Digimatic Cable, Flat 10-Pin Type   |            |            |              |            |              |            |            |
| 05CZA624               | Digimatic Cable with Data Button IP Type  |            |            |              |            | ✓            |            | ✓          |
| 05CZA625               | Digimatic Cable with Data Button IP Type  |            |            |              |            | ✓            |            | ✓          |
| 05CZA662               | Digimatic Cable with Data Button IP Type  |            | ✓          | ✓            |            |              |            |            |
| 05CZA663               | Digimatic Cable with Data Button IP Type  |            | ✓          | ✓            |            |              |            |            |
| 06AGL011               | Digimatic Cable, Straight, 1m   |            |            |              |            |              |            |            |
| 06AGL021               | Digimatic Cable, Straight, 2m   |            |            |              |            |              |            |            |
| 06AGL111               | Digimatic Cable with Data Button IP Type  | ✓          |            |              |            |              |            |            |
| 06AGL121               | Digimatic Cable with Data Button IP Type  | ✓          |            |              |            |              |            |            |
| 06AFM380A              | USB Input Tool Direct (Digimatic to USB)  |            |            |              |            | ✓            |            | ✓          |
| 06AFM380B              | USB Input Tool Direct (Digimatic to USB)  |            | ✓          | ✓            |            |              |            |            |
| 06AFM380C              | USB Input Tool Direct (Digimatic to USB)  |            |            |              | ✓          |              | ✓          |            |
| 06AFM380D              | USB Input Tool Direct (Digimatic to USB)  |            |            |              |            |              |            |            |
| 06AFM380E              | USB Input Tool Direct (Digimatic to USB)  |            |            |              |            |              |            |            |
| 06AFM380F<br>06AFM380G | USB Input Tool Direct (Digimatic to USB)  |            |            |              |            |              |            |            |
| 06AGQ001A              | USB Input Tool Direct (Digimatic to USB) USB Input Tool Direct (Digimatic to USB) | <b>√</b>   |            |              |            |              |            |            |
| 06AGQ001A              | USB Input Tool Direct (Digimatic to USB)  |            |            |              |            |              |            |            |
| 06ADV384               | USB Input Tool Direct   | <b>√</b>   | ✓          | ✓            | ✓          | ✓            | <b>√</b>   | ✓          |
| 937179T                | Footswitch for SPC  | ✓          | <b>√</b>   | ✓            | ✓          | ✓            | ✓          | ✓          |
| 02AZD810D              | U-WAVE-R Wireless Receiver  | ✓          | ✓          | ✓            | ✓          | ✓            | √          | ✓          |
| 264-620                | U-WAVE fit, IP67 Type   |            |            |              | ✓          | ✓            |            |            |
| 264-621                | U-WAVE fit, Buzzer Type   |            |            |              | ✓          | ✓            |            |            |
| 264-622                | U-WAVE fit, IP67 Type   | ✓          | ✓          |              |            |              |            |            |
| 264-623                | U-WAVE fit, Buzzer Type   | ✓          | ✓          |              |            |              |            |            |
| 02AZD880G              | U-WAVE-T, Buzzer Type   |            |            | ✓            |            |              | ✓          | ✓          |
| 02AZD730G              | U-WAVE-T, IP67 Type   |            |            | ✓            |            |              | ✓          | ✓          |
| 264-624                | U-WAVE fit Bluetooth, IP67 Type   |            |            |              | <b>√</b>   | ✓            |            |            |
| 264-625                | U-WAVE fit Bluetooth, Buzzer Type   |            |            |              | ✓          | ✓            |            |            |
| 264-626                | U-WAVE fit Bluetooth, IP67 Type   | √          | <b>√</b>   |              |            |              |            |            |
| 264-627                | U-WAVE fit Bluetooth, Buzzer Type   | - √ · · ·  | ✓          |              |            |              |            |            |
| 02AZF300               | Connection Unit for Standard Caliper  |            |            |              | ✓          | <b>√</b>     |            |            |
| 02AZF310               | Connection Unit for IP Caliper, Micromet  |            | ✓          |              |            |              |            |            |
| 02AZF700<br>02AZF960   | Connection Unit for ID-C Indicator  | ✓          |            |              |            |              |            |            |
| 02AZF960<br>02AZD790A  | Connection Unit, IP Micrometer Connection Cable A for U-WAVE                      | V          |            |              |            |              |            | <b>√</b>   |
| 02AZD790A<br>02AZD790B | Connection Cable A for U-WAVE  Connection Cable B for U-WAVE                      |            |            | <b>√</b>     |            |              |            |            |
| 02AZD790C              | Connection Cable C for U-WAVE   |            |            |              |            |              | ✓          |            |
| 02AZD790D              | Connection Cable D for U-WAVE   |            |            |              |            |              |            |            |
| 02AZD790E              | Connection Cable E for U-WAVE   |            |            |              |            |              |            |            |
| 02AZD790F              | Connection Cable F for U-WAVE   |            |            |              |            |              |            |            |
| 02AZD790G              | Connection Cable G for U-WAVE   |            |            |              |            |              |            |            |
| 02AZG011               | Connection Cable SF for U-WAVE  |            |            |              |            |              |            |            |
| 21EZA198               | Spindle Lifting Lever   |            |            |              |            |              |            |            |
| 21AZB149               | Spindle Lifting Lever   |            |            |              |            |              |            |            |
| 21JZA295               | Spindle Lifting Cable   |            |            |              |            |              |            |            |
| 21EZA099               | Remote Controller   |            |            |              |            |              |            |            |
| 7822                   | Contact Element Set, M2,5x0,45  |            |            |              |            |              |            |            |
| 264-505D               | Statistic Processing Printer DP-1VA   | ✓          | ✓          | $\checkmark$ | <b>▼</b>   | $\checkmark$ | ✓          |            |

| 2046A     | 543-781B-10 | 543-700B | 543-855B-D | 543-720B | 543-561D | 468-981  | 570-402    | HR-530     | HR-320 / 430 |          |
|-----------|-------------|----------|------------|----------|----------|----------|------------|------------|--------------|----------|
| 2046AB    | 543-791B-10 | 543-710B |            | 543-730B | 543-563D | 468-982  | 570-404    | 810-233-33 | 810-192-31   |          |
| 2046AB-60 | 511-925-20  |          |            | 543-851D |          | 468-983  | 570-414    | 810-333-33 | 810-193-31   |          |
|           | 543-300B-10 |          |            | 543-853D |          | 468-984  | 192-615-10 |            | 810-194-31   |          |
|           |             |          |            |          |          | 468-985  |            |            |              |          |
|           |             |          |            |          |          |          |            |            |              |          |
|           |             |          |            |          |          |          |            |            |              |          |
|           |             |          |            |          |          |          |            |            |              |          |
|           |             |          |            |          |          |          |            |            |              |          |
|           |             |          |            |          |          |          |            |            |              |          |
|           |             |          |            |          |          |          |            |            |              |          |
|           |             |          |            |          |          |          |            |            |              |          |
|           |             |          |            |          |          |          |            |            |              | Page No. |
|           | <b>√</b>    | ✓        | ✓          | ✓        | ✓        | ✓        | ✓          | ✓          |              | 23       |
|           | <b>✓</b>    |          |            |          |          |          | <b>√</b>   |            |              | 24       |
|           | ✓           |          |            |          |          |          | ✓          |            |              | 24       |
|           |             |          |            |          |          |          |            |            |              | 24       |
|           |             |          |            |          | ,        |          |            |            |              | 24       |
|           |             |          |            |          | <b>√</b> |          |            | <b>√</b>   |              | 24       |
|           |             |          |            |          | ✓        |          |            | ✓          |              | 24       |
|           |             |          |            |          |          |          |            |            |              | 24       |
|           |             |          |            |          |          |          |            |            |              | 24       |
|           |             |          |            |          |          | <b>√</b> |            |            |              | 24<br>24 |
|           |             | ✓        | _/         |          |          |          |            |            |              | 24<br>24 |
|           |             | <b>✓</b> | ✓<br>✓     | <b>√</b> |          |          |            |            |              | 24       |
|           |             |          |            |          |          |          |            |            |              | 24       |
|           |             |          |            |          |          |          |            |            |              | 24       |
|           |             |          |            |          |          |          |            |            |              | 25       |
|           |             |          |            |          |          | <b>√</b> |            |            |              | 25       |
|           |             |          |            |          |          |          |            |            |              | 25       |
|           |             |          |            |          | <b>√</b> |          |            | <b>√</b>   |              | 25       |
|           |             |          |            |          |          |          |            |            | <b>√</b>     | 25       |
|           | ✓           |          |            |          |          |          | <b>✓</b>   |            |              | 25       |
|           |             |          |            |          |          |          |            |            |              | 25       |
|           |             |          |            |          |          |          |            |            |              | 25       |
|           |             | ✓        | ✓          | ✓        |          |          |            |            |              | 25       |
|           | <b>✓</b>    | ✓        | ✓          | ✓        | ✓        | ✓        | <b>✓</b>   | ✓          | ✓            | 25       |
|           | ✓           | ✓        | ✓          | ✓        | ✓        | ✓        | ✓          | ✓          | ✓            | 25       |
|           | ✓           | ✓        | ✓          | ✓        | ✓        | ✓        | ✓          | ✓          | ✓            | 26       |
|           |             |          |            |          |          |          |            |            |              | 26       |
|           |             |          |            |          |          |          |            |            |              | 26       |
|           | ✓           | ✓        | ✓          | ✓        |          |          |            |            |              | 26       |
|           | ✓           | ✓        | ✓          | ✓        |          |          |            |            |              | 26       |
|           |             |          |            |          | ✓        |          | ✓          | ✓          | ✓            | 26       |
|           |             |          |            |          | ✓        |          | ✓          | ✓          | ✓            | 26       |
|           |             |          |            |          |          |          |            |            |              | 26       |
|           |             |          |            |          |          |          |            |            |              | 26       |
|           | ✓           | ✓        | ✓          | ✓        |          |          |            |            |              | 26       |
|           | ✓           | ✓        | ✓          | ✓        |          |          |            |            |              | 26       |
|           |             |          |            |          |          |          |            |            |              | 27       |
|           |             |          |            |          |          |          |            |            |              | 27       |
|           |             | ✓        |            |          |          |          |            |            |              | 27       |
|           |             |          |            |          |          |          |            |            |              | 27       |
|           |             |          |            |          |          |          |            |            |              | 27       |
|           |             |          |            |          |          | ✓        |            |            |              | 27       |
|           |             |          |            |          |          |          |            |            |              | 27       |
|           |             |          |            |          | ✓        |          |            | ✓          |              | 27       |
|           |             |          |            |          |          |          |            |            | ✓            | 27       |
|           | ✓           |          |            |          |          |          | ✓          |            |              | 27       |
|           |             |          |            |          |          |          |            |            |              | 27       |
|           |             |          | ✓          | ✓        |          |          |            |            |              | 27       |
| <b>√</b>  | ✓           | ✓        | ✓          |          |          |          |            |            |              | 17       |
| <b>√</b>  |             |          |            |          |          |          |            |            |              | 17       |
| ✓         | ✓           | ✓        | ✓          |          |          |          |            |            |              | 17       |
|           |             |          |            |          | <b>√</b> |          |            |            |              | 17       |
| ✓         | <b>√</b>    | <b>√</b> | <b>√</b>   | <b>√</b> | <b>√</b> |          |            |            |              | 18       |
|           | ✓           | ✓        | ✓          | ✓        | ✓        | ✓        | ✓          | ✓          | ✓            | 23       |

Action valid from November 1, 2024 until January 31, 2025. 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.at.

Delivery and prices of products offered herein are valid while supplies last. Technical changes, mistakes, and printing errors excepted.



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

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

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



#### Find additional product literature and our complete catalog here.

#### www.mitutoyo.at

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

MITUTOYO, ABSOLUTE, DIGIMATIC, OPTOEYE and U-WAVE are either registered trademarks or trademarks of Mitutoyo Corp. in Japan and/ or other countries/regions. Opti-fix is a registered trademark of KOMEG Industrielle Meßtechnik GmbH. Excel, Microsoft, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/ or other countries. Thiokol is a registered trademark of TORAY FINE CHEMICALS Co., Ltd. TÜV is a registered trademark of (among other holders) TÜV Rheinland AG. YouTube is a registered trademark of Google Inc. Other product, company and brand names mentioned herein are for identification purposes only and may be the trademarks of their respective holders



#### Mitutoyo Austria GmbH

Salzburger Straße 260/3 A-4600 Wels Tel. +43 / (0)7242 219 998

info@mitutoyo.at www.mitutoyo.at