RIDEOUT TOOL & MACHINE INC.

Mitutoyo

Small Tool Instruments and Data Management | Form Measurement | Digital Scales and DRO Systems

Sensor Systems | Test Equipment | Optical Measurement | Vision Measuring Systems

# FALL PROMO 2026

## PRECISION TOOLS & INSTRUMENTS

Effective September 21 through December 18

FALL PROMO 2026

Bulletin No. 2399(P)

Mitutoyo

# NEW FEATURED PRODUCTS

**Dear Valued Customers,**
I want to thank you for your continued support of the Mitutoyo product and our team members in operations around the world. As we finish out the year, it has already proven to be a busy and exciting time for all of us at Mitutoyo America and Mitutoyo Canada. We have worked closely with our factory and development staff to continue to expand our product lineup and overall capability with new products and enhancements to some tools that have been a part of our brand for many years.

In addition, in the United States and Canada we have continued to expand programs to provide support and resources to you, your team and the supply chain we all depend on. One example of these programs is our educational content that will help you support new employees or skill development for existing staff when new challenges are faced. You will find access to these programs from our main website (Mitutoyo.ca). Look under the "Resources" tab and then click on "Training & Education." While on the website, you may also look up our calibration and repair programs. You may be surprised to also find new services offered such as contract inspection and contract part programming. I hope that you explore these programs and reach out to one of the Mitutoyo Sales Representatives or valued distributor partners for more information.

The 2026 Mitutoyo Fall Promotion discounts on the most commonly used tools and instruments you will find in shops all around the country. We hope this promotion will support your needs with valuable packages and discounts.

Once again, I thank you for your continued support of Mitutoyo-made measuring solutions.

Sincerely,

Matt Dye
President, Mitutoyo America Corporation and Mitutoyo Canada Inc.

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The new MDE QuantuMike delivers faster measurements - up to 4x faster than standard micrometers - with exceptional accuracy (±1 µm permissible error), an IP65 protection rating, and a user-friendly design with enhanced display.

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The Mitutoyo LH-600F Linear Height Gage is the latest model in the line with several new features like an adjustable and rotatable display, intuitive touchscreen interface, and added output options for even easier, highly accurate 1D and 2D dimensional measurements.

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The new Digimatic Indicators have higher resolutions down to 20 µinch/0.5 µm, a built-in calibration date warning and analog bar on the larger LCD display, and new S1 Digimatic output capabilities.

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Mitutoyo profile projectors provide some of the most accurate and clear images on the market. Easily capture accurate measurements without blurring, distortion or complex calculations using our modular 2D digital readouts.

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The new QM-Fit is an all-in-one smart measurement system that delivers fast, effortless results. Automatic element detection instantly recognizes a workpiece, identifies features, and performs the measurement.

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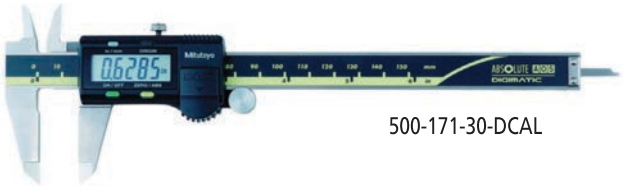
## In-Stock Calibrated Tools

| Order No. | Description | List | Promo |
|---|---|---|---|
| 293-330-32DCAL | Micrometer, Digimatic 0-1", .00005"/0-25.4mm, 0.001mm, SPC, IP65, W/Certificate | $432.00 | $384.00 |
| 293-340-30DCAL | Micrometer, Digimatic 0-1", .00005" / 0-25.4mm, 0.001mm, IP65, W/Certificate | $402.00 | $358.00 |
| 500-171-30DCAL | Caliper, Digimatic Encoder Technology 0-6", .0005" / 0-150mm, 0.01mm, SPC, W/Certificate | $342.00 | $263.00 |
| 500-171-32DCAL | Caliper, Digimatic Encoder Technology 0-6", .0005" / 0-150MM, 0.01MM, SPC, W/Certificate | $345.00 | $273.00 |
| 500-172-32DCAL | Caliper, Digimatic Encoder Technology 0-8", .0005"/0-200MM, 0.01MM, SPC, W//Certificate | $466.38 | $393.00 |
| 500-173-30DCAL | Caliper, Digimatic Encoder Technology 0-12", .0005" / 0-300mm, 0.01mm, SPC, W/Certificate | $790.82 | $632.00 |
| 500-193-30DCAL | Caliper, Digimatic Encoder Technology 0-12", .0005" / 0-300mm, 0.01mm, W/Certificate | $736.00 | $588.80 |
| 500-196-30DCAL | Caliper, Digimatic Encoder Technology 0-6", .0005" / 0-150mm, 0.01mm, W/Certificate | $304.00 | $263.00 |
| 500-196-32DCAL | Caliper, Digimatic Encoder Technology 0-6", .0005" / 0-150MM, 0.01MM, W/Certificate | $304.00 | $273.00 |
| 500-197-30DCAL | Caliper, Digimatic Encoder Technology 0-8", .0005" / 0-200mm, 0.01mm, W/Certificate | $410.23 | $369.00 |
| 500-197-32DCAL | Caliper, Digimatic Encoder Technology 0-8", .0005" / 0-200MM, 0.01MM, W/Certificate | $442.38 | $393.00 |
| 500-752-20DCAL | Caliper, Digimatic 0-6", .0005" / 0-150mm, 0.01mm IP67, W/Certificate | $362.65 | $290.00 |
| 500-753-20DCAL | Caliper, Digimatic, 0-8", .0005" / 0-200mm, 0.01mm, IP67, W/Certificate | $485.48 | $388.00 |
| 500-754-20DCAL | Caliper, Digimatic 0-12", .0005" / 0-300mm, 0.01mm IP67, W/Certificate | $697.30 | $557.00 |
| 505-743JDCAL | Caliper, Mechanical, Dial , 0-8", .001" W/Certificate | $371.00 | $333.00 |
| 505-746DCAL | Caliper, Mechanical, Dial, 0-12", .001" W/Certificate | $543.00 | $488.00 |
| 543-783B-10DCAL | Indicator, Digimatic, ID-S .5", .0005" / 12.7mm, 0.01 mm, SPC, W/Certificate | $340.00 | $306.00 |

## Digimatic Calipers

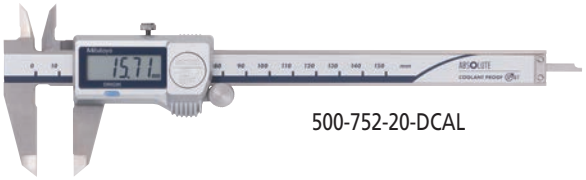
- AOS Electromagnetic inductive sensor improves environmental resistance against dirt, water and oil.



500-171-30-DCAL

## Coolant-Proof Calipers

- Sealed housing is IP67 rated, meaning it's resistant to the coolants, dirt, grit and chips found in many manufacturing environments.



500-752-20-DCAL

## Digimatic Indicator

- Range: .5" / 12.7mm
- Resolution: .005" / 0.01mm
- SPC Output

543-783B-10DCAL

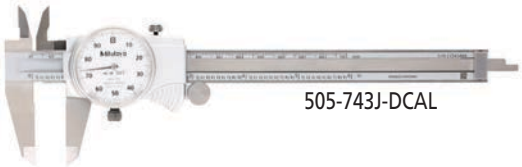
## Digimatic Micrometer

- Range: 1"
- Resolution: .00005" / 0.001mm
- Features include: preset, Zero/ABS mode, Function Lock and more

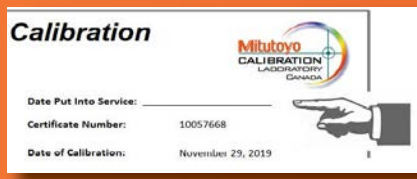
293-330-30-DCAL

## Dial Calipers

- Smooth sliding with high shock protection.



505-743J-DCAL



All prices are in Canadian Dollars

**OUTPUT MODELS ARE PRICED LOWER THAN NON-OUTPUT MODELS**

## Digimatic Calipers

MeasurLink® ENABLED
Data Management Software by Mitutoyo

500-171-30

SPC ABSOLUTE® Absolute System Patented by MITUTOYO ABSOLUTE AOS DIGIMATIC

AOS: Advanced Onsite Sensor

- AOS Electromagnetic Inductive Sensor improves environmental resistance against dirt, water and oil.
- A battery life of approximately 3.5 years has been achieved under normal use through the adoption of the Mitutoyo ABSOLUTE scale.
- The slider configuration features an ergonomic, thumb-friendly shape.
- Step-measurement capable.
- The data output function allows integration into Statistical Process Control and measurement systems.
- Display character height: 9mm.
- AOS applies to 4", 6" and 8" models.
- Resolution: .0005"/0.01mm.

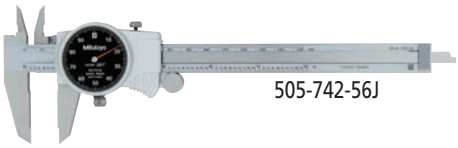
| Order No. | Range | Remarks | List | Promo |
|---|---|---|---|---|
| No SPC Output Style | | | | |
| 500-195-32 | 0-4"/0-100mm | .075" Round Depth Bar | $227.00 | |
| 500-196-32 | 0-6"/0-150mm | | $246.00 | |
| 500-197-32 | 0-8"/0-200mm | | $355.00 | |
| 500-193-30 | 0-12"/0-300mm | | $711.00 | |
| With SPC Output Style | | | | |
| fit 500-170-32 | 0-4"/0-100mm | .075" Round Depth Bar | $271.00 | $218.00 |
| fit 500-171-32 | 0-6"/0-150mm | | $288.00 | $236.00 |
| fit 500-172-32 | 0-8"/0-200mm | | $379.00 | $341.00 |
| fit 500-173-30 | 0-12"/0-300mm | | $830.00 | $683.00 |
| 500-505-10 | 0-18"/0-450mm | Without Thumb Roller | $1,289.00 | |
| 500-506-10 | 0-24"/0-600mm | Without Thumb Roller | $1,423.00 | |
| 500-507-10 | 0-40"/0-1000mm | Without Thumb Roller | $2,748.00 | |

fit U-WAVE-Fit compatible

SPC cable with data switch – 1m: **959149** 2m: **959150**

Order Numbers are subject to change, e.g. **500-196-30** will change to **500-196-32**

## Dial Caliper



505-742-56J

- Smooth sliding with high shock protection.
- Lock screw for dial bezel and for holding the sliding jaw position.
- Can measure OD, ID, depth and steps.
- Models available with carbide-tipped OD and ID jaws.

| Order No. | Range | Remarks | List | Promo |
|---|---|---|---|---|
| 505-742J | 0 -6" .100"/rev | | $199.00 | $191.00 |
| 505-743J | 0 -8" .100"/rev | | $291.00 | $279.00 |
| 505-738 | 0 -6" .100"/rev | Carbide-tipped jaws | $357.00 | $343.00 |
| 505-740J | 0 -6" .200"/rev | | $182.00 | $175.00 |
| 505-746 | 0 -12" .100/rev | | $443.00 | $425.00 |
| 505-749 | 0 -12" .200/rev | | $413.00 | $396.00 |
| 505-742-56J | 0 -6" .100"/rev | Black Dial Face | $199.00 | $191.00 |

# THE MITUTOYO ADVANTAGE

Whatever your challenges are, Mitutoyo Canada supports you from start to finish. Mitutoyo is not only a manufacturer of top-quality measuring products but one that also offers quality support and services that last throughout your products' lifetime. Apart from the basics of calibration and repair, we offer product & metrology training, software support, as well as contract inspection and programming services.

**The Mitutoyo Advantage includes:**

- Consistently high-quality products, software, solutions, and accessories
- Industry-leading local Service & Support with FAST turnaround times
- Decreased wait time with the Expedited Services and the Calibrated Tools program using our in-house Repair & Calibration Departments
- Accredited Calibration, Performed at Your Facility for Your Small Tools
- Easy access to our Contract Inspection and Programming Services as well as our Custom Solution team

READ THE FULL
**MITUTOYO ADVANTAGE**

## Coolant-Proof Calipers

- Sealed housing is IP67 rated, meaning it's resistant to coolants, dirt, grit and chips found in many manufacturing environments.
- Easy to use - no need to wipe or clean the scale.
- .0005"/0.01mm resolution with ±.001" accuracy.
- Automatic power On/Off.
- Certificate of Inspection provided.

**OUTPUT MODELS ARE PRICED LOWER THAN NON-OUTPUT MODELS**

| Order No. | Range | List | Promo |
|---|---|---|---|
| Non-Output Style | | | |
| 500-752-20 | 0-6"/0-150mm | $330.00 | |
| 500-753-20 | 0-8"/0-200mm | $441.00 | |
| 500-754-20* | 0-12"/0-300mm | $764.00 | |
| SPC Output Style | | | |
| fit 500-762-20 | 0-6"/0-150mm | $390.00 | $317.00 |
| fit 500-763-20 | 0-8"/0-200mm | $492.00 | $423.00 |
| fit 500-764-20* | 0-12"/0-300mm | $847.00 | $733.00 |

* ±.0015" accuracy  fit U-WAVE Fit compatible  SPC cable – 1m: **05CZA624** 2m: **05CZA625**

COMPATIBLE WITH U-WAVE fit

MeasurLink® ENABLED
Data Management Software by Mitutoyo

### COOLANT PROOF™ IP67

COOLANT PROOF is the universal term of Mitutoyo Digimatic Small Tool Instruments that are free from measurement error and physical deterioration due to routine exposure to water, cutting oil or coolant. This high performance is achieved by using encoders that are inherently immune to contamination, where exposure is inevitable, combined with comprehensive sealing techniques and extremely oil-resistant materials to guarantee a long working life under normal operating conditions.

## Digimatic Carbon Fiber Caliper

552-314-10

IP66 SPC ABSOLUTE

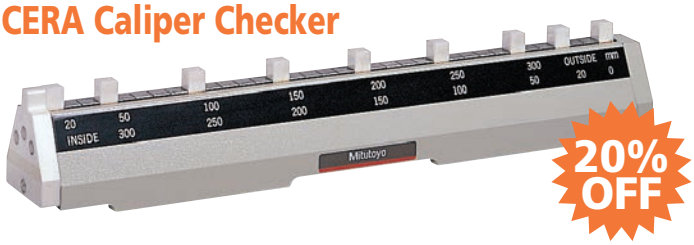
MeasurLink® ENABLED
Data Management Software by Mitutoyo

| Order No. | Range | Accuracy | Resolution | List | Promo |
|---|---|---|---|---|---|
| 552-312-10 | 0(.5")*-18" | +/-.002" | .0005"/0.01mm | $1,483.00 | $1,424.00 |
| 552-313-10 | 0(.5")*-24" | +/-.002" | .0005"/0.01mm | $1,678.00 | $1,611.00 |
| 552-314-10 | 0(1")*-40" | +/-.002" | .0005"/0.01mm | $2,991.00 | $2,871.00 |
| 552-315-10 | 0(1")*-60" | +/-.004" | .0005"/0.01mm | $3,575.00 | $3,432.00 |
| 552-316-10 | 0(1")*-80" | +/-.005" | .0005"/0.01mm | $5,593.00 | $5,369.00 |

In parentheses = ID smallest range  SPC cable – 1m: **05CZA624** 2m: **05CZA625**

- Lightweight Digimatic Calipers that employ CFRP (Carbon Fiber Reinforced Plastics) in the beam and jaws.
- Highly durable and easy to handle.
- Direct readout of ID measurements from the LCD. (Offset value can be set easily by pressing the Offset key.)
- Preset function for setting a desired starting point.
- With SPC data output.
- Special models available with ceramic jaws which are suitable for measuring abrasive and magnetic products.
- Can be used in workshop conditions exposed to coolant, water, dust or oil.
- Incorporates ABSOLUTE measurement system.
- Automatic power On/Off.

## CERA Caliper Checker




| Order No. | Range | Remarks (length to check) | List | Promo |
|---|---|---|---|---|
| 515-565 | 0 - 12" | Outside measurement: 1", 2", 4", 6", 8", 10", 12" Inside measurement: 1", 2", 4", 6", 8", 10", 12" | $6,931.00 | $5,545.00 |

### CERA Caliper Checker

- Permanently wrung, high grade CERA gage blocks in a protective metal casing.
- Stands perpendicular for height gage inspection.

* Also includes same features as CERA Gage Blocks

### CERA (Zirconia Ceramic) Gage Blocks*

- Extremely high wear resistance, 3x better than carbide.
- Corrosion proof – no oil needed.
- Closest expansion coefficient to steel.
- Anti-magnetic – keeps away steel dust.
- High wringing force due to high density.
- Crack and burr resistant.
- Low thermal conductivity – excellent dimensional stability under brief temperature changes (from handling, etc.).

All prices are in Canadian Dollars

## QuantuMike

High-speed, high-accuracy micrometer measures 4x faster vs standard micrometers

NEW Products

SCAN ME

20% OFF

DIGIMATIC S1

IP65

**4x Faster**
**1µm Accuracy**

## New Features

- Go/No-go icons: at-a-glance verification
- Calibration date alerts: warning and due date alerts
- Approach Speed Warning: reduce over-torquing
- Calculation: auto-calculate corrections and more
- S1 Digimatic output — send measurement to Excel or easily program features with software (ITPak 3.0 or MeasurLink®)
- Auto power On/Off. Key customization

### GO/NG icons

Displays tolerance judgment mark

Tolerance judgment function: ON

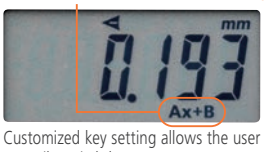
Pass

### Auto-calculate

Calculates and displays correction value

Calculation function: ON

Correction value can be read directly




Customized key setting allows the user to easily switch between measurement values and calculation results with the press of a button.

### Calibration alerts

Forewarning

Calendar icon flashes

Due date

Entire display flashes

## Continued Great Features

- 4x faster spindle speed
- Preset, Zero, Hold, Function Lock, Error display
- 1-pc Rachet Thimble + Speeder
- Resolution: .00005" / 0.001mm
- Accuracy: +/- .00005" / 0.001mm

| Order No. | Description | List | Promo |
|---|---|---|---|
| 293-180-40 | QUANTUMIKE MICROMETER, DIGIMATIC, 0-1", IP65, .00005", W/SPC | $435.00 | $348.00 |
| 293-181-40 | QUANTUMIKE MICROMETER, DIGIMATIC, 1-2", IP65, .00005", W/SPC | $497.00 | $398.00 |
| 293-182-40 | QUANTUMIKE MICROMETER, DIGIMATIC, 2-3", IP65, .00005", W/SPC | $592.00 | $474.00 |
| 293-183-40 | QUANTUMIKE MICROMETER, DIGIMATIC, 3-4", IP65, .00005", W/SPC | $638.00 | $510.00 |

## QuickMikes

The updated QuickMike series still boasts the super-fast spindle feed rate that's **20x faster** than standard micrometers.

- IP65 protection – can be used around cutting fluids.
- MIN Hold – the minimum measurement can be held on the display for more repeatable and accurate measurements.
- Larger LCD – 33% larger, 10mm character height.
- Function lock – prevents accidental changes.
- 5 year battery life – more operating time, less downtime looking for and replacing batteries.
- Non-rotating spindle.

293-676-20

ABSOLUTE™ SPC

MeasurLink® ENABLED
Data Management Software by Mitutoyo

COOLANT PROOF™ IP65

| Order No. | Range | Resolution | Accuracy | Flatness | Parallelism | List | Promo |
|---|---|---|---|---|---|---|---|
| 293-676-22 | 0 - 1.2" | .00005"/0.001mm | ±0.0001" | 0.000012" | 0.00008" | $936.00 | $889.00 |
| 293-677-22 | 1 - 2.2" | .00005"/0.001mm | ±0.0001" | 0.000012" | 0.00008" | $1,021.00 | $970.00 |

Order Numbers are subject to change, e.g. **500-196-30** will change to **500-196-32**

SPC cable with data switch – 1m: **05CZA662** 2m: **05CZA663**

Effective September 21 through December 18

## MDH Micrometer - world's first 5µinch/0.1µm resolution micrometer

Using precision digital measuring tools together with a USB input tool improves both measurement results and data reliability. The high-accuracy MDH with 5 millionths resolution can output in its entirety in both inch and metric. Resulting data can input directly to Excel®, MeasurLink® or other SPC programs.

› Range: 0-1", Resolution: .000005", Accuracy: +/- .000020

| Order No. | Description | List | Promo |
|---|---|---|---|
| 293-130-20 | MDH Micrometer with high accuracy, high resolution output | $2,566.00 | $2,309.00 |
| Add-on Accessories | | | |
| 05CZA662 | SPC CONNECTING CABLE (1M) | $175.00 | $158.00 |
| 264-020 | USB INPUT TOOL | $303.00 | $273.00 |

MeasurLink® ENABLED
Data Management Software by Mitutoyo

## MDC-Lite Micrometer

› Provided with zero set and in/mm (inch/metric models only) keys.
› A ratchet stop or friction thimble for a constant measuring force.
› Measurement readout with large characters on the LCD.
› No spindle clamp. No data output.

| Order No. | Range | Resolution | Remarks | List | Promo |
|---|---|---|---|---|---|
| 293-831-32 | 0 - 1" / 0 - 25.4mm | .00005" / 0.001mm | Ratchet Stop | $238.00 | $226.00 |
| 293-832-32 | 0 - 1" / 0 - 25.4mm | .00005" / 0.001mm | Friction Thimble | $253.00 | $240.00 |

Order Numbers are subject to change, e.g. **500-196-30** will change to **500-196-32**

## Digimatic Micrometer

› New electromagnetic ABSOLUTE sensor - Improved resistance to environmental conditions such as dirt, oil and water, which can cause false readings.
› New ratchet thimble on select models improves one-hand operability.
› New anti-slip finish for improved grip while taking measurements.
› Long battery life – 2.4 years under normal operation.
› Fully compatible with existing Mitutoyo Digimatic peripherals (SPC cables, U-WAVE wireless transmitters, DP1-VA, etc.) – SPC output-enabled IP65 models.
› Function-lock system prevents inadvertent setting changes.
› Certificate of Inspection provided.

IP65

SPC

COOLANT PROOF™

| | Order No. | Range | Resolution | Remarks | List | Promo |
|---|---|---|---|---|---|---|
| fit | 293-330-32* | 0-1"/0-25.4mm | .00005"/0.001mm | Ratchet Stop | $378.00 | $359.00 |
| | 293-340-32 | 0-1"/0-25.4mm | .00005"/0.001mm | Ratchet Stop | $348.00 | $331.00 |
| | 293-344-32 | 0-1"/0-25.4mm | .00005"/0.001mm | Ratchet Thimble | $370.00 | $352.00 |
| | 293-348-32 | 0-1"/0-25.4mm | .00005"/0.001mm | Friction Thimble | $370.00 | $352.00 |
| | 293-349-32 | 0-1"/0-25.4mm | .0001"/0.001mm | Ratchet Thimble, Tenths Reading | $316.00 | $300.00 |
| fit | 293-331-32* | 1-2"/25.4-50.8mm | .00005"/0.001mm | Ratchet Stop w/Standard | $445.00 | $423.00 |
| | 293-341-32 | 1-2"/25.4-50.8mm | .00005"/0.001mm | Ratchet Stop w/Standard | $400.00 | $380.00 |
| | 293-345-32 | 1-2"/25.4-50.8mm | .00005"/0.001mm | Ratchet Thimble w/Standard | $383.00 | $364.00 |
| fit | 293-334-32* | 0-1"/0-25.4mm | .00005"/ 0.001mm | Ratchet Thimble | $406.00 | $386.00 |
| fit | 293-335-32* | 0-1"/0-25.4mm | .00005"/0.001mm | Friction Thimble | $420.00 | $399.00 |

*with SPC Output  fit U-WAVE Fit compatible  SPC cable with data switch – 1m: **05CZA662** 2m: **05CZA663**

Order Numbers are subject to change, e.g. **500-196-30** will change to **500-196-32**

MeasurLink® ENABLED
Data Management Software by Mitutoyo

## Soft Case Tool Kits

Durable Protective Cases

New protective cases for your tools offer a modern alternative to our wooden cases. Versions include mechanical, standard Digimatic, or QuantuMike-based sets. QuantuMikes are just as accurate as standard Digimatic micrometers, but up to 4x faster.

Empty cases are also available as a new home for your existing tools!

NEW Products

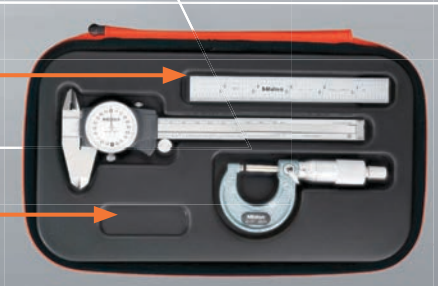
64PKA288A

**RUGGED, IMPACT-RESISTANT BUILD**

**CASE MOULDS FOR DIGIMATIC AND MECHANICAL TOOLS**

**LONG-LIFE ZIPPERS AND STAIN-RESISTANT COVER**

**2X MAGNET-BACKED SLOTS FOR HOLDING STEEL RULES, SPANNERS, THUMB DRIVES AND MORE**



Effective September 21 through December 18

64PKA283

64PKA284

64PKA285B

### Soft Case Tool Kit Components for 64PKA283

| Order No. | Description |
|---|---|
| **103-135** | MIC, OUTSIDE, 0-1", 0.0001", FRICTION THIMBLE |
| **182-204** | STEEL RULE 6'' 3R FLEXIBLE |
| **505-742J** | DIAL CALIPER, 6'', .1"/ REV |
| **64PMT183** | CASE FOR MECHANICAL TOOL KIT |

### Soft Case Tool Kit Components for 64PKA284

| Order No. | Description |
|---|---|
| **103-177** | MIC, OUTSIDE, 0-1", 0.001", RATCHET STOP |
| **182-102** | STEEL RULE 6'' 16R RIGID |
| **505-740J** | DIAL CALIPER, 6'', .2"/ REV |
| **64PMT183** | CASE FOR MECHANICAL TOOL KIT |

### Soft Case Tool Kit Components for 64PKA285B

| Order No. | Description |
|---|---|
| **293-340-32** | 1" RATCHET STOP MICROMETER (NO SPC) |
| **500-196-32** | DIGIMATIC CALIPER, 6"/150MM, NO OUTPUT |
| **64PMT182** | CASE FOR DIGIMATIC TOOL KIT |

64PKA286B

64PKA288A

### Soft Case Tool Kit Components for 64PKA286B

| Order No. | Description |
|---|---|
| **293-348-32** | 1" FRICTION THIMBLE MICROMETER (NO SPC) |
| **500-196-32** | DIGIMATIC CALIPER, 6"/150MM, NO OUTPUT |
| **64PMT182** | CASE FOR DIGIMATIC TOOL KIT |

### Soft Case Tool Kit Components for 64PKA288A

| Order No. | Description |
|---|---|
| **293-180-40** | QUANTUMIKE MICROMETER, DIGIMATIC, 0-1", IP65, .00005", W/ SPC |
| **500-171-30** | DIGIMATIC CALIPER, 6"/150MM, W/ OUTPUT |
| **64PMT182** | CASE FOR DIGIMATIC TOOL KIT |

## Soft Case Tool Packages

| Order No. | Description | List | Promo |
|---|---|---|---|
| **64PKA283** | TOOL PKG, MECHANICAL, INCH, W/ 6" DIAL CALIPER, 1" OUTSIDE MIC, 6" STEEL RULE, CASE | $505.00 | **$480.00** |
| **64PKA284** | TOOL PKG, MECHANICAL, INCH, W/ 6" DIAL CALIPER, 1" MIC, 6" STEEL RULE, CASE | $475.00 | **$451.00** |
| **64PKA285B** | TOOL PKG, DIGIMATIC, INCH, W/ 1" MIC (RATCHET STOP TYPE), 6" CALIPER, CASE | $654.00 | **$621.00** |
| **64PKA286B** | TOOL PKG, DIGIMATIC, INCH, W/ 1" MIC (FRICTION THIMBLE TYPE), 6" CALIPER, CASE | $697.00 | **$662.00** |
| **64PKA288A** | TOOL PKG, DIGIMATIC, INCH, W/1" QUANTUMIKE, 6" CALIPER, CASE, WITH OUTPUT | $817.00 | **$776.00** |

Order Numbers are subject to change, e.g. **500-196-30** will change to **500-196-32**

## Protective Case Only

| Order No. | Description | List | Promo |
|---|---|---|---|
| **64PMT182** | CASE FOR DIGIMATIC TOOL KIT | $94.00 | **$89.00** |
| **64PMT183** | CASE FOR MECHANICAL TOOL KIT | $97.00 | **$92.00** |

Power grip model also available for even easier positioning.

## High-Accuracy Linear Height Gage LH-600F/FG

### The highest accuracy Linear Height Gage on the market is now even easier to use.

The Mitutoyo LH-600F Linear Height Measurement System is the latest model in the Mitutoyo Linear Height Gage line, designed to be more user-friendly while maintaining the best-in-class reliability and accuracy of previous models.

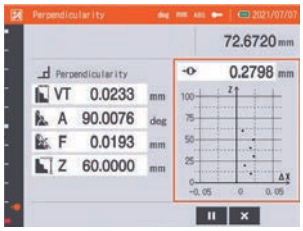
New Features:

- Rotatable, adjustable touch screen interface.
- New self-check feature.
- High-accuracy encoder more resistant to contaminants.
- Improved 2D mode.
- Calibration date warning.
- S1 Digimatic output capable of sending data directly to Excel®, wired or wirelessly.
- Additional probe and extension options.

Still Featuring:

- Resolution down to 0.1µinch (selectable).
- Highest accuracy in its class ± (1.1+0.6L/600) µm.
- Pneumatic full/semi-float system with built-in compressor.
- Capable of standard measurements such as heights and diameters or advanced measurements like angles, diagonal distances and perpendicularity (optional probes may be required).
- The Origin can be set at centerline positions, peaks of radii or simply on the surface plate or gage blocks.

Perpendicular/straightness measurement - Graph creation




Show results in real time during measurement.

Show results after measurement.

You can monitor the graphs of past measurement results.

Show measurement results in graph form.

| Order No. | Description | Range (Stroke) | Resolution (selectable) | Package List | Promo |
|---|---|---|---|---|---|
| 518-360-13 | HEIGHT,LINEAR, LH-600F INCH/MM, S-518 ( 02ZAA010 Power Cord Not Included ) | 977mm (600mm) / 38" (24") | 0.0001/0.001/0.01/0.1mm .0000001/.000001/.00001/.0001" | $13,861.00 | **$13,168.00** |
| 518-361-13 | HEIGHT, LINEAR, 24", LH-600FG ( 02ZAA010 Power Cord Not Included ) | | | $14,591.00 | **$13,861.00** |

*Must purchase Power Cord 02ZAA010

Effective September 21 through December 18

64PKA129D

## ABSOLUTE 1D Height Gage QM-Height Series

- High-resolution ABSOLUTE linear encoder for position detection.
- High-accuracy: ±(2.4 + 2.1L / 600)µm.
- Pneumatic flotation system / positioning grip allows for smooth movement along surface plate (select models).
- Large, stationary display panel with user-friendly icon control keys and Go/No-go LED indicator.
- Digital and USB output: Supports Mitutoyo wireless SPC output.
- Fully compatible with existing Mitutoyo Digimatic peripherals (SPC cables, U-WAVE wireless transmitters, multiplexers, etc.).
- Battery life of 1200 hours in continuous use with four AA batteries, an improvement from 300 hours.

## GO/±NG judgment by LED (red, orange, green) and measurement examples

## d2 Digimatic and USB outputs

To install **U-WAVE-T**, separately purchase the optional mounting plate (**02AZE990**).

| Order No. | Range | Resolution | Remarks | List | Promo |
|---|---|---|---|---|---|
| 64PKA094D | 0 - 14"/ 0 - 350mm | 0.001mm / 0.0005mm /.00005" / .0001" (selectable) | | $6,892.00 | $6547.00 |
| 64PKA095D | 0 - 24"/ 0 - 600mm | | | $7,743.00 | $7356.00 |
| 64PKA129D | 0 - 14"/ 0 - 350mm | | Pneumatic Flotation System | $9,164.00 | $8,706.00 |
| 64PKA130D | 0 - 24"/ 0 - 600mm | | | $8,478.00 | $8,054.00 |

## ABSOLUTE Digimatic Height Gages

Popular Mitutoyo single-beam height gages have been redesigned to be even easier to use with larger displays, various hardware accessories, and multiple data options such as wired and wireless output, data loggers and more.

### Features:

- Durable Build - Iron detector and base, steel beam and holder.
- Easy to use slider feed wheel.
- Multiple data equipment options.
- Other improvements: twist-off battery cap, 20% larger LCD, handy Data button.

MeasurLink® ENABLED
Data Management Software by Mitutoyo

SPC

570-412

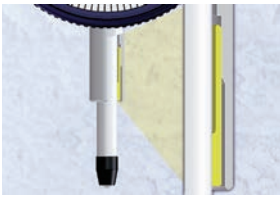
Shown with optional Test Indicator and mounting hardware (see page 9).

Shown with optional U-Wave Bluetooth® transmitter (see page 21 and connector 02AZD790F)

| Order No. | Range | Resolution | Functions | Drive Method | Data Output | Max. response speed | Battery Life | List | Promo |
|---|---|---|---|---|---|---|---|---|---|
| 570-412 | 0"-12"/0mm-300mm | 0.0005" / 0/01mm | On/Off, Origin, Zero/ABS, Hold/ Data, inch/mm conversion" | Slider-feed Wheel (manual) | Digimatic d1 | Unlimited | Approx. 5 Years Under Normal Use | $1,150.00 | $1,035.00 |
| 570-413 | 0"-18"/0mm-450mm | | | | | | | $1,544.00 | $1,390.00 |
| 570-414 | 0"-24"/0mm-600mm | | | | | | | $1,787.00 | $1,608.00 |

## Series Two Dial Indicators

- Improved impact, and oil-resistant materials are employed in the bezel. The improved shape of the crystal face helps with easier measurement readings.
- High-strength, heat-treated stainless steel spindles for longevity.
- Scratch, and chemical-resistant hard-coated crystals.
- Increased rigidity in the bearing plate for reducing the retracing error (20%), and 4-screw mounting for greater impact resistance.
- Inspection certificate included.
- No through screw-holes on the frame for high oil, and dust-resistance. The bezel clamp (optional) can be attached either to the right or left side.



Revolutionary stem-bushing design for trouble-free stem clamping (longer clamping range; maximum tightening torque at the clamping point with M5 screw: 150N•cm).

2803A-10

2424A-19

| Order No. | Graduation | Range | Range/Rev | Type | Dial Reading | Accuracy First 2.5 Rev/Overall | Force | List | Promo |
|---|---|---|---|---|---|---|---|---|---|
| 2358A-10* | .0001″ | .5″ | .01" | w/lug | 0-10 | .0001 / .0008 | 2.0N or less | $348.00 | $331.00 |
| 2803A-10* | .0001″ | .025″ | .01" | w/lug | 0-5-0 | .0001 / .0001 | 2.5N or less | $253.00 | $240.00 |
| 2416A-10* | .001″ | 1″ | .1" | w/lug | 0-100 | .001 / .002 | 1.8N or less | $223.00 | $212.00 |
| 2424A-19* | .001″ | 2″ | 1" | w/lug | 0-100 | .001 / .003 | 2.5N or less | $383.00 | $364.00 |
| 2776A | .0005″ | 1″ | .05" | w/lug | 0-50 | .0005 / .002 | 2.5N or less | $224.00 | $213.00 |

*Jeweled bearing model

## Bore Gages

- Carbide-tipped contact points for durability.
- The dial indicator is fully protected by a rugged cover.
- Optional extension rods can be attached for measuring deep holes.
- The grip minimizes the variation of measurements by reducing heat transfer from the operator's hand.

511-751-20

| Order No. | Range | Graduation | Anvils | Spacers | List | Promo |
|---|---|---|---|---|---|---|
| With Indicator | | | | | | |
| 511-751-20 | .7 - 1.4″ | .0001″ (2923B-10) | 9 | 2 | $651.00 | $618.00 |
| 511-752-20 | 1.4 - 2.5″ | | 6 | 4 | $632.00 | $600.00 |
| 511-753-20 | 2.0 - 6.0″ | | 11 (2" sub anvil) | 4 | $692.00 | $657.00 |
| 511-754-20 | 4.0 - 6.5″ | | 13 | 4 | $913.00 | $867.00 |
| 511-755-20 | 6.5 - 10″ | | 6 | 7 | $1,031.00 | $979.00 |
| 511-756-20 | 10 - 16″ | | 5 (3" sub anvil) | 7 | $1,228.00 | $1,167.00 |
| Without Indicator | | | | | | |
| 511-731 | .7 - 1.4″ | Indicator optional Protective Cover optional (21DZA000) | 9 | 2 | $413.00 | $392.00 |
| 511-732 | 1.4 - 2.5″ | | 6 | 4 | $423.00 | $402.00 |
| 511-733 | 2.0 - 6.0″ | | 11 (2" sub anvil) | 4 | $457.00 | $434.00 |
| 511-734 | 4.0 - 6.5″ | | 13 | 4 | $683.00 | $649.00 |
| 511-735 | 6.5 - 10″ | | 6 | 7 | $801.00 | $761.00 |
| 511-736 | 10 - 16″ | | 5 (3" sub anvil) | 7 | $1,006.00 | $956.00 |

See Digimatic indicators made specifically for bore gages (page 10).

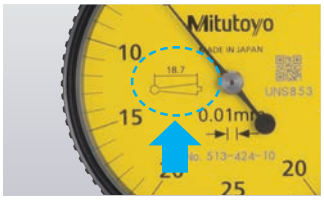
Effective September 21 through December 18

## Dial Test Indicators

513-404-10E
Standard

### .000050" / 50µinch model now available!

- One-piece movement assembly for improved durability & impact resistance.
- Contact point length shown on dial face.
- Certificate of Inspection included.
- Shows results from both measuring directions.
- Resilient crystal with high resistance to glare, scratches and impact.

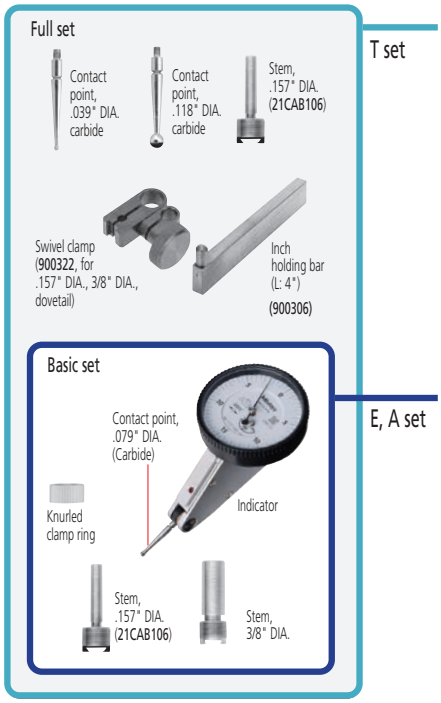



Contact point length is printed on dial face to avoid accuracy issues

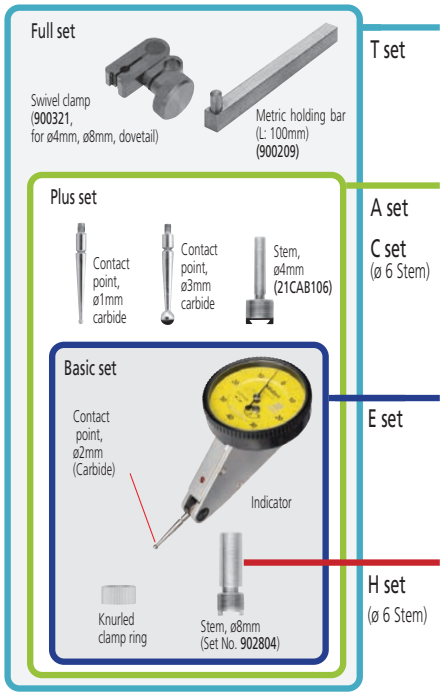
| OrderNo. | Range | Graduations | Set Type | Face Color | List | Promo | Remarks |
|---|---|---|---|---|---|---|---|
| Standard | | | | | | | |
| 513-407-10E | .008" | .00005" | Basic | White | $294.00 | $279.00 | Fine grads |
| 513-407-10T | .008" | .00005" | Full | White | $345.00 | $328.00 | Fine grads |
| 513-401-10E | .14mm | 0.001mm | Basic | Yellow | $350.00 | $333.00 | |
| 513-402-10E | .03" | .0005" | Basic | White | $204.00 | $194.00 | |
| 513-402-10T | .03" | .0005" | Full | White | $243.00 | $231.00 | |
| 513-403-10E | .008" | .0001" | Basic | White | $266.00 | $253.00 | |
| 513-403-10T | .008" | .0001" | Full | White | $312.00 | $296.00 | |
| 513-404-10E | 0.8mm | 0.01mm | Basic | Yellow | $208.00 | $198.00 | |
| 513-404-10A | 0.8mm | 0.01mm | Plus | Yellow | $229.00 | $218.00 | |
| 513-404-10T | 0.8mm | 0.01mm | Full | Yellow | $244.00 | $232.00 | |
| 513-405-10E | 0.2mm | 0.002mm | Basic | Yellow | $231.00 | $219.00 | |
| 513-405-10T | 0.2mm | 0.002mm | Full | Yellow | $303.00 | $288.00 | |
| 513-406-10E | .03"/0.7mm | .0005"/0.01mm | Basic | White/Yellow | $241.00 | $229.00 | Dual dial |
| 513-406-10T | .03"/0.7mm | .0005"/0.01mm | Full | White/Yellow | $266.00 | $253.00 | Dual dial |
| 513-409-10E | 0.2mm/.0076" | 0.002mm/.0001" | Basic | Yellow/White | $310.00 | $295.00 | Dual dial |
| 513-409-10T | 0.2mm/.0076" | 0.002mm/.0001" | Full | Yellow/White | $315.00 | $299.00 | Dual dial |
| 513-412-10E | .03" | .0005" | Basic | White | $294.00 | $279.00 | |
| 513-412-10T | .03" | .0005" | Full | White | $339.00 | $322.00 | |
| 513-415-10E | 1.0mm | 0.01mm | Basic | Yellow | $221.00 | $210.00 | Long stylus |
| 513-415-10H | 1.0mm | 0.01mm | Basic | Yellow | $242.00 | $230.00 | Long stylus |
| Ruby Tip | | | | | | | |
| 513-472-10E | .03" | .0005" | Basic | White | $229.00 | $218.00 | |
| 513-479-10E | .03" | .0005" | Basic | White | $242.00 | $230.00 | Long stylus |
| Standard (20° tilted face) | | | | | | | |
| 513-442-10A | .06" | .0005" | Basic | White | $278.00 | $264.00 | |
| 513-442-10T | .06" | .0005" | Full | White | $315.00 | $299.00 | |
| 513-442-16A | .06" | .0005" | Basic | Black | $278.00 | $264.00 | |
| 513-442-16T | .06" | .0005" | Full | Black | $315.00 | $299.00 | |
| 513-446-16A | .06" | .0005" | Basic | Black | $372.00 | $353.70 | Long stylus |
| 513-446-16T | .06" | .0005" | Full | Black | $418.00 | $397.00 | Long stylus |
| 513-446-10A | .06" | .0005" | Basic | White | $372.00 | $353.00 | Long stylus |
| 513-446-10T | .06" | .0005" | Full | White | $418.00 | $397.00 | Long stylus |
| 513-443-10A | .016" | .0001" | Basic | White | $350.00 | $333.00 | |
| 513-443-10T | .016" | .0001" | Full | White | $396.00 | $376.00 | |
| Vertical: dial is on the top of the frame | | | | | | | |
| 513-452-10E | .03" | .0005" | Basic | White | $266.00 | $253.00 | |
| 513-452-10T | .03" | .0005" | Full | White | $294.00 | $279.00 | |
| 513-453-10E | .008" | .0001" | Basic | White | $317.00 | $301.00 | |
| Parallel: dial is on the side of the frame | | | | | | | |
| 513-485-10E | 0.2mm | 0.002mm | Basic | Yellow | $339.00 | $322.00 | |

## Set Configuration

Inch




Metric

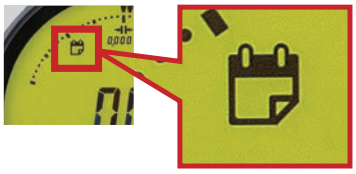


# ID-C / ID-F Digimatic Indicators

## High-performance ABS Digimatic Indicators

- 20 µinch/0.5 µm resolution.
- Large screen and analog bar.
- Calibration period notification function. The LCD displays an icon to notify the user when the set calibration time approaches. This facilitates the proper precision management of ID-C/ID-F.
- Simple Calculation Function.
- New Digimatic S1 Output*. S1 is the new Mitutoyo bidirectional output format that enables reading and writing information to the gages such as sending a zero command, TIR reset, calibration date warnings, and the ability to poll the serial number for smoother measurement operation. Communication is supported by the new Input Tool and SPC cable, see table below.

Calibration period notification function



NEW Products

0.5" ID-F MODEL NOW AVAILABLE

ID-C Series

ID-F Series

| Order No. | Description | List |
|---|---|---|
| 06AGL011 | SPC DIGIMATIC Cable, TYPE S1 (1M) | $142.00 |
| 264-020 | USB INPUT TOOL | $303.00 |

* SPC Cable and Input Tool are both required

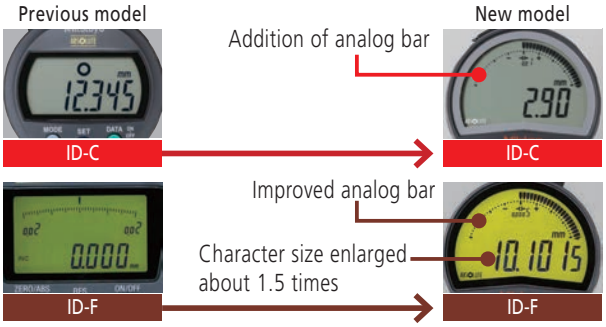
**Excel®**
Send data directly into existing forms

**ITPak 3.0 Freeware**
Read/Write Data and set Parameters

**MeasurLink® 10.4** (see page 29)
Data Management & SPC Software

## Large screen and analog bar

The units have large screens that can display various information in an easy-to-read manner. They also have an analog bar, convenient for observing subtle movements such as the approach to tolerance.




### ID-C Series - Battery Operated

| Order No. | | Range | Resolution | Maximum Permissible Error | | | Measuring for MPL (N) | Interface | Net mass (g) | | List | Promo |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| With Lug | Flat Back | | | $MPE_E$ | Hysteresis $MPE_H$ | Repeatability $MPE_R$ | | | With Lug | Flat Back | | |
| 543-702B | 543-702B-02 | 0.5" / 12.7mm | 0.00002" / .00005" / 0.0001" / 0.0005" / 0.0005mm / 0.001mm / 0.01mm | ± 0.00012" / 0.002mm | 0.00008" / 0.002mm | 0.00008" / 0.002mm | 1.5 or less | d1/d2/S1 | 195 | 165 | $609.00 | $579.00 |
| 543-707-02 | 543-707B-02 | 0.5" / 12.7mm | | | | | 0.4 to 0.7 | d1/d2/S1 | 190 | 160 | $1,047.00 | $995.00 |
| - | 543-722B-02 | 1" / 25.4mm | | | | | 1.8 or less | d1/d2/S1 | - | 195 | $900.00 | $855.00 |
| - | 543-732B-02 | 2" / 50.8mm | | ± 0.0002" / 0.005mm | | | 2.3 or less | d1/d2/S1 | - | 260 | $1,123.00 | $1,067.00 |
| 543-712-02 | 543-712B-02 | 0.5" / 12.7mm | 0.0005" / 0.01mm | ± 0.001" / 0.02mm | 0.001" / 0.02mm | 0.0005" / 0.01mm | 0.9 or less | d1/S1 | 190 | 160 | $490.00 | $466.00 |
| 543-717-02 | 543-717B-02 | 0.5" / 12.7mm | | | | | 0.2 to 0.5 | d1/S1 | 185 | 155 | $785.00 | $746.00 |
| - | 543-727B-02 | 1" / 25.4mm | | | | | 1.8 or less | d1/S1 | - | 190 | $719.00 | $683.00 |
| - | 543-737B-02 | 2" / 50.8mm | | ± 0.0015" / 0.04mm | | | 2.3 or less | d1/S1 | - | 245 | $941.00 | $894.00 |

Order Numbers are subject to change, e.g. **500-196-30** will change to **500-196-32**

### ID-F Series - AC Powered - Green/Red Backlit Display

| Order No. | | Range | Resolution | Maximum Permissible Error | | | Measuring for MPL (N) | Interface | List | Promo |
|---|---|---|---|---|---|---|---|---|---|---|
| With Lug | Flat Back | | | $MPE_E$ | Hysteresis $MPE_H$ | Repeatability $MPE_R$ | | | | |
| 543-856-A | 543-856B-A | 0.5" / 12.7mm | 0.005mm / 0.001mm / 0.01 mm / 0.00002" / .00005" / 0.0001" / 0.0005"/ 0.001" (selectable) | ± 0.0001" / 0.0025mm | 0.00008" / 0.002mm | 0.00008" / 0.002mm | 1.5 or less | d1/d2/S1 | $903.00 | $858.00 |
| - | 543-852A | 1" / 25.4mm | | | | | 1.8 or less | d1/d2/S1 | $1,053.00 | $1,000.00 |
| - | 543-854A | 2" / 50.8mm | | ± 0.00016" / 0.004mm | | | 2.3 or less | d1/d2/S1 | $1,195.00 | $1,135.00 |
| - | 543-858A | | | ± 0.00012" / 0.003mm | | | 2.3 or less | d1/d2/S1 | $1,216.00 | $1,155.00 |

Effective September 21 through December 18

## Digimatic Indicator ID-H

### Remote Programming Capable

- This digital indicator offers excellent accuracy and functionality with an easy-to-read display. Take advantage of its high accuracy, backed up by 0.5µm / .00002" resolution, remote control functionality via a handheld controller (or an RS-232C interface) and easy runout measurements with the analog bar display.
- With RS-232C input/output
- The maximum, minimum or runout value can be displayed during measurement.
- Go/No-go judgment is performed by setting the upper and lower tolerances. If a judgment result is out of tolerance, the display backlighting changes from green to red, so tolerance judgment can be made at a glance.

21EZA099
Remote controller
(optional)

543-564A

SPC

MeasurLink® ENABLED
Data Management Software by Mitutoyo

Stem dia. 3/8" #4-48 UNF Thread

| Order No. | Resolution | Range | Model | Accuracy | List | Promo |
|---|---|---|---|---|---|---|
| 543-562 | .00002", .00005", .0001", 0.0005mm, 0.001mm | 1.2" / 30.4mm | ID-H530E | 0.0015mm | $1,539.00 | $1,462.00 |
| 543-564 | | 2.4" / 60.9mm | ID-H560E | 0.0025mm | $1,818.00 | $1,727.00 |

SPC cable – 1m: **936937** 2m: **965014**

## ABSOLUTE Digimatic Indicator ID-S

- Employing the ABSOLUTE linear encoder, the ID-S always displays the spindle ABSOLUTE Position from the origin at power-on. Also, unlimited response speed eliminates overspeed errors.
- Dust/water protection level: IP42 (IP53: 543-796B-10).
- SPC data output

SPC

ABSOLUTE®

MeasurLink® ENABLED
Data Management Software by Mitutoyo

543-783B-10

| Order No. | Resolution | Range | Accuracy | Measuring force | Remarks | List | Promo |
|---|---|---|---|---|---|---|---|
| Stem dia. 3/8", #4-48 UNF Thread | | | | | | | |
| 543-792-12 | .00005"/0.001mm | .5" / 12.7mm | ±.0001" | 1.5N or less | w/ lug back | $444.00 | $422.00 |
| 543-796-12 | .00005"/0.001mm | .5" / 12.7mm | ±.0001" | 2.5N or less | w/ lug-back | $477.00 | $453.00 |
| 543-793-12 | .0001"/0.001mm | .5" / 12.7mm | ±.0001" | 1.5N or less | w/ lug back | $444.00 | $422.00 |
| 543-783-12 | .0005"/0.01mm | .5" / 12.7mm | ±.0010" | 1.5N or less | w/ lug-back | $280.00 | $266.00 |
| 543-792B-12 | .00005"/0.001mm | .5" / 12.7mm | ±.0001" | 1.5N or less | w/ flat back | $444.00 | $422.00 |
| 543-796B-12 | .00005"/0.001mm | .5" / 12.7mm | ±.0001" | 2.5N or less | w/ flat-back | $477.00 | $453.00 |
| 543-793B-12 | .00005"/0.001mm | .5" / 12.7mm | ±.0001" | 1.5N or less | w/ flat back | $444.00 | $422.00 |

## ABSOLUTE Digimatic Indicator ID-U

- Economical, slim digital indicator.
- Large LCD and simple key operation.
- Ideal for installation into measuring devices because of its compact design and long battery life.
- Employing the ABSOLUTE linear encoder, the ID-U always displays the spindle ABSOLUTE position from the origin at power-on. Also, unlimited response speed eliminates overspeed errors.
- Long stem for mounting.

575-123

SPC

ABSOLUTE®

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Data Management Software by Mitutoyo

| Order No. | Resolution | Range | Model | Accuracy | Measuring force | List | Promo |
|---|---|---|---|---|---|---|---|
| 575-123 | .0005"/0.01mm | 1" / 25.4mm | ID-U1025E | .0008" | 1.8N or less | $308.00 | $293.00 |

SPC cable – 1m: **905338** 2m: **905409**

## Calculation-Type Digimatic Indicator ID-C

- Calculation-type Digimatic Indicator features both a key lock and parameter lock.
- Fast measurement frequency up to 50 per second.
- An analog bar provides easy-to-read values when scanning for Max, Min and TIR Values.
- The ABSOLUTE Digimatic indicator performs internal calculations using the formula Ax+B+Cx-1 (assuming spindle displacement as x), while the specified coefficients A, B and C can be set with respect to the purpose of measurement or dimensions of the fixtures. This unique feature allows for reading measurements directly without searching for conversions.
- Improved parameter setting software makes it even easier to set all of the available parameters to determine and upload the proper coefficients for calculation. (optional) **21EZA313**

Custom fixture shown

SPC ABSOLUTE®

MeasurLink® ENABLED
Data Management Software by Mitutoyo

543-342B-10

| Order No. | Resolution | Range | Accuracy | Measuring Force | List | Promo |
|---|---|---|---|---|---|---|
| **543-342B-10** | .00005/.0001/.0005" (0.001/0.01mm) Selectable | .5"/12.7mm | ±.00010"/0.003mm | 1.5N or less | $700.00 | **$665.00** |

Stem dia. 3/8" #4-48 UNF Thread

SPC cable – 1m: **905338** 2m: **905409**

Installed on optional bore gage probe (page 12)

## Bore Gage ABSOLUTE Digimatic Indicator ID-C

- Hold automatically picks up hole diameter after a sweep.
- Bore Gage Digimatic Indicator features both a key lock and parameter lock.
- Fast measurement frequency up to 50 per second.
- Analog bar provides easy-to-read values when scanning for Max, Min and TIR values.
- Up to three sets of master values and upper/lower tolerance values can be stored.
- Go/No-go judgment
- Employing the ABSOLUTE linear encoder, the ID-C always displays the spindle ABSOLUTE Position from the origin at power-on.
- Improved parameter setting software makes it even easier to set all of the available parameters to determine and upload the proper coefficients for calculation. (optional) **21EZA313**

MeasurLink® ENABLED
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543-312B-10

| Order No. | Resolution | Range | Accuracy | Measuring Force | List | Promo |
|---|---|---|---|---|---|---|
| **543-312B-10** | .00005/.0001/.0005" (0.001/0.01mm) Selectable | .5"/12.7mm | ±.00010"/0.003mm | 1.5N or less | $700.00 | **$665.00** |

SPC ABSOLUTE®

SPC cable – 1m: **905338** 2m: **905409**

## Peak Hold ABSOLUTE Digimatic Indicator ID-C

### With Max./Min. Value Holding Function

- Peak Hold Digimatic Indicator features both a Key Lock and Parameter Lock.
- An analog bar provides easy-to-read values when scanning for Max, Min and TIR Values.
- Go/No-go judgment
- The maximum, minimum or runout value can be displayed during measurement.
- Fast measurement frequency up to 50 per second.
- Employing the ABSOLUTE linear encoder, the Signal ID-C always displays the spindle ABSOLUTE Position from the origin at power-on.
- Improved parameter setting software makes it even easier to set all of the available parameters and then determine and upload the proper coefficients for calculation. (optional) **21EZA313**

543-302B-10

| Order No. | Resolution | Range | Accuracy | Remarks | List | Promo |
|---|---|---|---|---|---|---|
| Stem dia. 3/8", #4-48 UNF Thread | | | | | | |
| 543-302-10 | .00005/.0001/.0005" 0.001/0.01mm Selectable | .5"/12.7mm | ±.00010"/0.003mm | w/lug | $700.00 | **$665.00** |
| 543-302B-10 | | .5"/12.7mm | ±.00010"/0.003mm | Flat-back | $700.00 | **$665.00** |

SPC cable – 1m: **905338** 2m: **905409**

SPC ABSOLUTE®

MeasurLink® ENABLED
Data Management Software by Mitutoyo

Effective September 21 through December 18

## Borematic

10% OFF

### Quick, spring-loaded lever action/movement

- Titanium-coated measuring pins provide excellent durability and impact resistance while allowing the instrument to measure close to the bottom of blind holes.
- Digital display with quick-action lever operation enables quick and easy measurement.
- Built-in ABSOLUTE System eliminates the need to set the origin point every time the unit is turned on. The system is immune to over-speed errors, thus increasing the reliability of measurement.
- The Digimatic Borematic is compatible with statistical process control systems and measurement support systems.
- Built-in tolerance judgment function allows Go/No-go judgment based on user-defined upper and lower limit settings.

MeasurLink® ENABLED Data Management Software by Mitutoyo  ABSOLUTE®  SPC

### Individual Gages: includes one digital display unit and one interchangeable measuring head (plus adapter if required)

| Order No. | Size Range | Accuracy | Extension Rod | List | Promo |
|---|---|---|---|---|---|
| 568-461 | 0.275″ - 0.350″ | ±5µm ±0.00025 in | 100mm (952322) | $2,043.00 | $1,839.00 |
| 568-462 | 0.350″ - 0.425″ | | | $2,247.00 | $2,022.00 |
| 568-463 | 0.425″ - 0.500″ | | | $2,225.00 | $2,003.00 |
| 568-464 | 0.50″ - 0.65″ | ±5µm ±0.00025 in | 150mm (952621) | $2,085.00 | $1,877.00 |
| 568-465 | 0.65″ - 0.80″ | | | $2,274.00 | $2,047.00 |
| 568-466 | 0.8″ - 1.0″ | ±6µm ±0.0003 in | 150mm (952622) | $2,274.00 | $2,047.00 |
| 568-467 | 1.0″ - 1.2″ | | | $2,156.00 | $1,940.00 |
| 568-468 | 1.2″ - 1.6″ | | | $2,590.00 | $2,331.00 |
| 568-469 | 1.6″ - 2.0″ | | | $2,590.00 | $2,331.00 |
| 568-470 | 2.0″ - 2.5″ | | 150mm (952623) | $2,541.00 | $2,287.00 |
| 568-471 | 2.5″ - 3.0″ | | | $2,423.00 | $2,181.00 |
| 568-472 | 3.0″ - 3.5″ | | | $2,675.00 | $2,408.00 |
| 568-473 | 3.5″ - 4.0″ | | | $2,465.00 | $2,219.00 |
| 568-474 | 4.0″ - 4.5″ | | | $2,578.00 | $2,320.00 |
| 568-475 | 4.5″ - 5.0″ | | | $2,719.00 | $2,447.00 |

### Technical Data

Resolution: 0.001mm or 0.00005in/0.001mm
Display: LCD
Response speed: Infinite
Battery: SR44 (1 pc), **938882**, for initial operational checks (standard accessory)
Battery life: Approx. 5,000 hours in continuous use
Scale type: Electrostatic capacitance ABSOLUTE encoder

### Functions

Go/No-go judgment, Go/No-go judgment zoom, 2-Point preset, Zero-setting, Data hold, Error alarm, Low battery voltage alert, Data output, Function lock, 330° Rotary display, inch/mm conversion (inch/mm models)

### Complete Unit Gage Sets: includes several individual gages to cover the overall size range of the set

| Order No. | Overall Range | Range of Individual Gages | Setting Rings | List | Promo |
|---|---|---|---|---|---|
| 568-966 | 0.5″ - 1″ | 0.5-0.65″, 0.65-0.8″, 0.8-1″ | 0.65″ DIA., 0.8″ DIA. | $7,368.00 | $6,631.00 |
| 568-967 | 1″ - 2″ | 1-1.2″, 1.2-1.6″, 1.6-2″ | 1.2″ DIA., 1.6″ DIA. | $7,692.00 | $6,923.00 |
| 568-968 | 2″ - 3″ | 2-2.5″, 2.5-3″ | 2.5″ DIA. | $5,508.00 | $4,957.00 |
| 568-969 | 3″ - 4″ | 3-3.5″, 3.5-4″ | 3.5″ DIA. | $6,651.00 | $5,986.00 |
| 568-965-10 | 0.275″ - 0.5″ | 0.275-0.35″, 0.35-0.425″, 0.425-0.5″ | 0.35″ DIA., 0.425″ DIA. | $7,697.00 | $6,927.00 |

Complete-Unit Set

### Interchangeable-Head Sets

| Order No. | Overall Range | Range of Individual Gages | Setting Rings | List | Promo |
|---|---|---|---|---|---|
| 568-928 | 0.275″ - 0.5″ | 0.275-0.35″, 0.35-0.425″, 0.425-0.5″ | 0.35″ DIA., 0.425″ DIA. | $3,429.00 | $3,086.00 |
| 568-929 | 0.5″ - 1″ | 0.5-0.65″, 0.65-0.8″, 0.8-1″ | 0.65″ DIA., 0.8″ DIA. | $3,564.00 | $3,208.00 |
| 568-930 | 1″ - 2″ | 1-1.2″, 1.2-1.6″, 1.6-2″ | 1.2″ DIA., 1.6″ DIA. | $4,730.00 | $4,257.00 |
| 568-936 | 2″ - 4″ | 2-2.5″, 2.5-3″, 3-3.5″, 3.5-4″ | 2.5″ DIA., 3.5″ DIA. | $6,254.00 | $5,629.00 |

Interchangeable-Head Set

Includes one digital display unit with several interchangeable measuring heads (and adapters as required) to cover the total size range plus one extension rod
Order Numbers are subject to change, e.g. **500-196-30** will change to **500-196-32**

## Digimatic Holtest

- Titanium-coated measuring pins provide excellent durability and impact resistance while allowing the instrument to measure close to the bottom of blind holes.
- Large LCD readout.
- Functions available: Presetting, Zero/ABS, Auto power On/Off, Data hold, Data output, Error alarm, Battery replacement alarm.
- With ratchet stop for consistent force.
- Measure deep holes by attaching an extension rod (optional).
- Setting rings are included in sets, but optional for individual gages.
- Supplied in fitted plastic case up to 4"/100mm. Over 4"/100mm supplied in wooden case.
- Resolution: .00005"/0.001mm (over 4" models: .0001"/0.001mm)

10% OFF

MeasurLink® ENABLED
Data Management Software by Mitutoyo

SPC IP65

Digimatic Holtests – Individual Units

| Order No. | Range | List | Promo |
|---|---|---|---|
| 468-261 | Digimatic Holtest, .275 - .35" | $1,714.00 | $1,543.00 |
| 468-262 | Digimatic Holtest, .35" - .425" | $1,714.00 | $1,543.00 |
| 468-263 | Digimatic Holtest, .425 - .5" | $1,727.00 | $1,554.00 |
| 468-264 | Digimatic Holtest, 0.5" - 0.65" | $1,860.00 | $1,674.00 |
| 468-265 | Digimatic Holtest, 0.65" - 0.8" | $1,860.00 | $1,674.00 |
| 468-266 | Digimatic Holtest, 0.8" - 1" | $1,921.00 | $1,729.00 |
| 468-267 | Digimatic Holtest, 1.0 - 1.2" | $1,921.00 | $1,729.00 |
| 468-268 | Digimatic Holtest, 1.2" - 1.6" | $1,970.00 | $1,773.00 |
| 468-269 | Digimatic Holtest, 1.6" - 2.0" | $1,982.00 | $1,784.00 |
| 468-270 | Digimatic Holtest, 2" - 2.5" | $2,152.00 | $1,937.00 |
| 468-271 | Digimatic Holtest, 2.5" - 3" | $2,152.00 | $1,937.00 |
| 468-272 | Digimatic Holtest, 3" - 3.5" | $2,176.00 | $1,958.00 |
| 468-273 | Digimatic Holtest, 3.5" - 4" | $2,213.00 | $1,992.00 |
| 468-274 | Digimatic Holtest, 4" - 5" | $2,882.00 | $2,594.00 |
| 468-275 | Digimatic Holtest, 5" - 6" | $2,967.00 | $2,670.00 |
| 468-276 | Digimatic Holtest, 6" - 7" | $3,149.00 | $2,834.00 |
| 468-277 | Digimatic Holtest, 7" - 8" | $3,259.00 | $2,933.00 |
| 468-278 | Digimatic Holtest, 8" - 9" | $3,502.00 | $3,152.00 |
| 468-279 | Digimatic Holtest, 9" - 10" | $3,575.00 | $3,218.00 |
| 468-280 | Digimatic Holtest, 10" - 11" | $3,708.00 | $3,337.00 |
| 468-281 | Digimatic Holtest, 11" - 12" | $3,854.00 | $3,469.00 |

### Measuring Deep Holes

An extension rod (optional accessory) can be fitted to provide measurement of deep holes.

Digimatic Holtests – Interchangeable Head Sets

| Order No. | Range | List | Promo |
|---|---|---|---|
| 468-976 | Digimatic Holtest Head Set, 0.275" - 0.5"* | $3,113.00 | $2,802.00 |
| 468-977 | Digimatic Holtest, Head Set, 0.5" - 0.8"* | $2,529.00 | $2,276.00 |
| 468-978 | Digimatic Holtest, Head Set, 0.8" - 2"* | $6,311.00 | $5,680.00 |
| 468-979 | Digimatic Holtest, Head Set, 2" - 4"* | $7,235.00 | $6,512.00 |
| 468-980 | Digimatic Holtest, Head Set, 4" - 8"* | $8,499.00 | $7,649.00 |

Digimatic Holtests – Complete Unit Sets

| Order No. | Range | List | Promo |
|---|---|---|---|
| 468-986 | Digimatic Holtest, Unit-Set, 0.275" - 0.5"* | $6,055.00 | $5,450.00 |
| 468-987 | Digimatic Holtest, Unit-Set, 0.5" - 1"* | $6,444.00 | $5,800.00 |
| 468-988 | Digimatic Holtest, Unit-Set, 1" - 2"* | $7,308.00 | $6,577.00 |
| 468-989 | Digimatic Holtest, Unit-Set, 2" - 3"* | $8,195.00 | $7,376.00 |
| 468-990 | Digimatic Holtest, Unit-Set, 3" - 4"* | $9,642.00 | $8,678.00 |

Complete-Unit Set

Interchangeable-Head Set

Effective September 21 through December 18

## Holtest

- Titanium-coated measuring pins provide excellent durability and impact resistance while allowing the instrument to measure close to the bottom of blind holes.
- Three-point design ensures self-centering action for stable measurements in the range above .275" bore diameter.
- With ratchet stop for consistent force.

Two-point contact type

10% OFF

## Holtest Type II

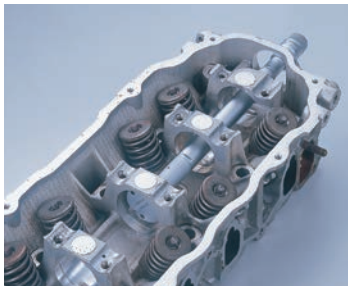
- Holtest Type II models are also available. These lower-costs units have solid, hardened alloy steel anvils.

Mechanical Holtests – Individual Units

| Order No. | Description/Range | List | Promo |
|---|---|---|---|
| 368-021 | Holtest, 0.08" - 0.1" | $2,310.00 | $2,079.00 |
| 368-022 | Holtest, 0.1" - 0.12" | $2,310.00 | $2,079.00 |
| 368-023 | Holtest, 0.12" - 0.16" | $1,848.00 | $1,663.00 |
| 368-024 | Holtest, 0.16" - 0.2" | $1,848.00 | $1,663.00 |
| 368-025 | Holtest, 0.2" - 0.24" | $1,848.00 | $1,663.00 |
| 368-026 | Holtest, 0.24" - 0.28" | $1,848.00 | $1,663.00 |
| 368-261 | Holtest, 0.275" - 0.35" | $918.00 | $826.00 |
| 368-262 | Holtest, 0.35" - 0.425" | $918.00 | $826.00 |
| 368-263 | Holtest, 0.425" - 0.5" | $918.00 | $826.00 |
| 368-264 | Holtest, 0.5" - 0.65" | $952.00 | $857.00 |
| 368-265 | Holtest, 0.65" - 0.8" | $952.00 | $857.00 |
| 368-266 | Holtest, 0.8" - 1.0" | $989.00 | $890.00 |
| 368-267 | Holtest, 1.0" - 1.2" | $989.00 | $890.00 |
| 368-268 | Holtest, 1.2" - 1.6" | $1,240.00 | $1,116.00 |
| 368-269 | Holtest, 1.6" - 2.0" | $1,301.00 | $1,171.00 |
| 368-270 | Holtest, 2.0" - 2.5" | $1,313.00 | $1,182.00 |
| 368-271 | Holtest, 2.5" - 3.0" | $1,423.00 | $1,281.00 |
| 368-272 | Holtest, 3.0" - 3.5" | $1,459.00 | $1,313.00 |
| 368-273 | Holtest, 3.5" - 4.0" | $1,520.00 | $1,368.00 |
| 368-274 | Holtest, 4.0" - 5.0" | $1,970.00 | $1,773.00 |
| 368-275 | Holtest, 5.0" - 6.0" | $2,225.00 | $2,003.00 |
| 368-276 | Holtest, 6.0" - 7.0" | $2,286.00 | $2,057.00 |
| 368-277 | Holtest, 7.0" - 8.0" | $2,371.00 | $2,134.00 |
| 368-278 | Holtest, 8.0" - 9.0" | $2,675.00 | $2,408.00 |
| 368-279 | Holtest, 9.0" - 10" | $3,015.00 | $2,714.00 |
| 368-280 | Holtest, 10" - 11" | $3,040.00 | $2,736.00 |
| 368-281 | Holtest, 11" - 12" | $3,113.00 | $2,802.00 |

Mechanical Holtests – Complete Unit Sets

| Order No. | Description/Range | List | Promo |
|---|---|---|---|
| 368-916 | Holtest, Set, 0.275" - 0.5"* | $3,392.00 | $3,053.00 |
| 368-917 | Holtest, Set, 0.5" - 0.8"* | $2,286.00 | $2,057.00 |
| 368-918 | Holtest, Set, 0.8" - 2.0"* | $5,228.00 | $4,705.00 |
| 368-919 | Holtest, Set, 2.0" - 4.0"* | $7,441.00 | $6,697.00 |
| 368-920 | Holtest, Set, 4.0" - 8.0"* | $11,405.00 | $10,265.00 |
| 368-926 | Holtest, 2pc Set, .08" - .12"* | $4,900.00 | $4,410.00 |
| 368-927 | Holtest, 4pc Set, .12" - .28"* | $7,794.00 | $7,015.00 |

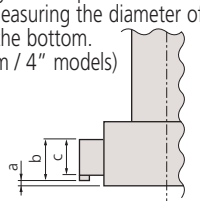


### Measuring Deep Holes

An extension tube (optional accessory) can be fitted to enable measurement of deep holes.

### Measuring a Blind Hole

The measuring contact points held in the jaws permit measuring the diameter of a blind hole to the bottom.
( up to 100mm / 4" models)

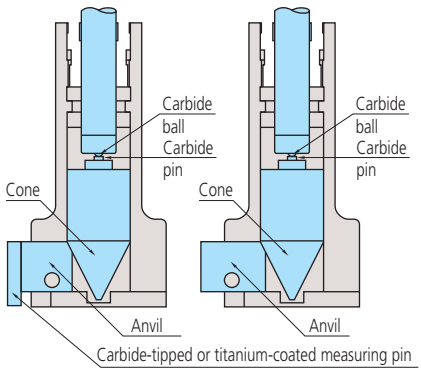



| Range | a | b | c |
|---|---|---|---|
| 6 - 12mm / .275 - .5" | 2 | — | 2.5 |
| 12 - 20mm / .5 - .8" | 0.3 | 5.6 | 3.5 |
| 20 - 30mm / .8 - 1.2" | 0.3 | 8.3 | 5.2 |
| 30 - 50mm / 1.2 - 2" | 0.3 | 13 | 10 |
| 50 - 100mm / 2 - 4" | 0.3 | 17 | 14 |
| 100 - 300mm / 4 - 12" | 12.4 | 21 | 13.8 |

TiN coated contact points

### Inspection Certificate Supplied as Standard

An Inspection Certificate is supplied with each instrument, which assures product quality and safety. On request, Mitutoyo can issue a Calibration Certificate, at a cost, from our accredited calibration laboratory.



# U-WAVE Bluetooth® Wireless Data Transmitters

All prices are in Canadian Dollars

U-WAVE is a wireless system that turns any Mitutoyo gage with Digimatic output into a wireless keyboard for fast, error-free data collection. U-WAVE transmitters now come in three models: Bluetooth®, Fit and Standard. Send data with a push of a button or request it from the PC or mobile device.

## U-WAVE Bluetooth®

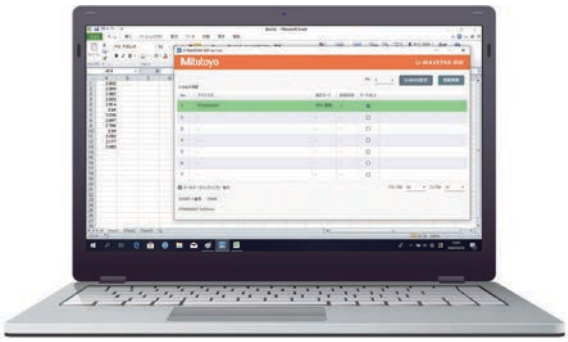
NEW Products

Request an assessment to determine how quickly your company can obtain a full ROI

### U-WAVE-TMB/TCB

The new U-WAVE Bluetooth® transmitter features:

- Now utilizes the popular Bluetooth® 4.2 Low Energy Wireless Technology.
- This new Bluetooth® version of U-WAVE allows a simple connection to smartphones, tablets and Bluetooth® enabled Laptops and PC's.
- The same low-profile and ergonomic fit benefits of the U-WAVE-Fit.
- A buzzer type and IP67 type with dustproof and waterproof specifications are available.
- Up to 7 units can be connected to 1 Bluetooth® enabled PC without a receiver.
- New U-WAVEPak for Android, iOS and Windows available at no cost.



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The measurement data is used to make the software in the pc Transferable PC Communication Software U-WAVEPAK-BW.

IP67

U-WAVE-TMB

MeasurLink® ENABLED
Data Management Software by Mitutoyo

10% OFF

U-WAVE-TCB

U-WAVE-TMB/TCB*

| Order No. | Model | Measuring Instrument* | Remarks | List | Promo |
|---|---|---|---|---|---|
| 264-624-IP-S | U-WAVE-TCB | 4", 6", 8", 12" standard caliper | Transmitter and Connection Unit | $414.00 | $373.00 |
| 264-624-IP | U-WAVE-TCB | 4", 6", 8", 12" IP67 caliper | Transmitter and Connection Unit | $414.00 | $373.00 |
| 264-626-IP-M | U-WAVE-TMB | Coolant-proof (IP65) micrometer Micrometers (excl. S1, excl. QuickMike) | Transmitter and Connection Unit | $414.00 | $373.00 |
| 02AZF700-TMB | U-WAVE-TMB | 0.5" (12.5mm) Stroke for S1 Indicators | Transmitter and Connection Unit | $429.00 | $386.00 |
| 02AZG011-TMB | U-WAVE-TMB | 1" (25.4mm) Stroke or Larger for S1 Indicators | Transmitter, Bracket, and Connection Unit | $521.00 | $469.00 |

* No U-WAVE Receiver required

Effective September 21 through December 18

# U-WAVE Wireless Data Transmitters

Mitutoyo

All prices are in Canadian Dollars

The new Mitutoyo U-WAVE-Fit wireless data transmitter fits to the back of popular Mitutoyo hand-held measuring instruments. This new design allows for a snug fit behind the display resulting in a more ergonomic feel. U-WAVE-Fit is the same technology as the U-WAVE-T, just a smaller version.

UP TO 10% OFF

U-WAVE fit

For micrometers
U-WAVE-TM

For calipers
U-WAVE-TC

U-WAVE-TM for micrometers and U-WAVE-TC for calipers are available both as the buzzer and water/dust-proof IP67 types. The buzzer type notifies the normal reception of data by LED and buzzer sound. The water/dust-proof IP67 type is designed for harsh environments and therefore is only equipped with LED notification of data reception.

MeasurLink® ENABLED
Data Management Software by Mitutoyo

- The transmitter is designed to fit in the space behind the display, and the connecting cable has been replaced by a rigid connector.
- Approx. 20 m transmission range (within visible range).
- 2.4GHz wireless system for reliable and secure data transmission.
- Easy data export to Microsoft® Excel® or SPC software applications.
- Transmitter confirms data transfer by an LED signal and optional buzzer.
- An IP67 transmitter is available to ensure a coolant-proof gaging system.
- Low power consumption: 400,000 data transmissions with a single battery.

U-WAVE-Fit (Transmitter)

| Order No. | Model | Measuring Instrument* | Remarks | List | Promo |
|---|---|---|---|---|---|
| 264-620-IP-S | U-WAVE-TC | 4", 6", 8", 12" IP67 standard caliper | Transmitter and Connection Unit | $459.00 | $413.00 |
| 264-620-IP | U-WAVE-TC | 4", 6", 8", 12" IP67 caliper | Transmitter and Connection Unit | $459.00 | $413.00 |
| 264-622-IP-M | U-WAVE-TM | Coolant-proof (IP65) micrometer Micrometers (excl. S1, excl. QuickMike) | Transmitter and Connection Unit | $459.00 | $413.00 |
| 02AZF700-TM | U-WAVE-TM | 0.5" (12.5mm) Stroke for S1 Indicators | Transmitter and Connection Unit | $474.00 | $427.00 |
| 02AZG011-TM | U-WAVE-TM | 1" (25.4mm) Stroke or Larger for S1 Indicators | Transmitter, Bracket, and Connection Unit | $566.00 | $509.00 |

* Please contact Mitutoyo or distributor for further details

U-WAVE-R (Receiver)

| Order No. | Remarks | Software | Number of U-WAVE-R units that can be connected to PC | Number of U-WAVE-T units that can be connected | List | Promo |
|---|---|---|---|---|---|---|
| 02AZD810D | U-WAVE-R + Software | U-WAVE PAK | Up to 15 | Up to 100 | $764.00 | $688.00 |

## PH-3515F Profile Projector and 2D Processor Packages

Heavy-Duty, Bench-Top Model with Horizontal Optical System featuring display w/ M2 geometric measuring software.

- ø14" screen, Horizontal Projector
- 10" x 6" Travel T Slot table for accessories
- Linear Glass Scales for accurate measurement
- Profile and Fiber Optic Surface Illumination
- Digital built-in angle counter
- Maximum Load 45kg / 100lb
- Available with M2 or QM Data 2D Processors

| Order No. | Description | List | Promo |
|---|---|---|---|
| PH-3515 Main Unit & Digital Readout Packages 5% Off | | | |
| M172868-11 | PH-3515F Profile Projector with KA counter & Tray | $18,426.00 | $17,505.00 |
| M172868-21 | PH-3515F Profile Projector with QM Data & Arm Mount | $22,939.00 | $21,792.00 |
| M172868-41 | PH-3515F Profile Projector with Touchscreen PC & M2 Software/Hardware | $22,251.00 | $21,138.00 |
| M172868-31 | PH-3515F Profile Projector with QM Data, Arm Mount & Optoeye Edge Detection | $26,508.00 | $25,183.00 |
| M172868-51 | PH-3515F Profile Projector with Optical Edge Detection, Touchscreen PC & M2 Software/Hardware | $24,318.00 | $23,102.00 |
| Machine Stand (Optional) | | List | |
| 050002-E-1 | Projector Stand | $2,012.00 | |

(Includes installation and A2LA accredited calibration)

**5% OFF** 5% off all Main Units

+

**5% OFF** 5% off all Packages

+

Installation & Calibration Included

M172868-41

PH-3515 Profile Projector, M2 Software/ Hardware and All-In-One Touchscreen PC

### KA-200 Counter: PH-3515 & PV-5110

MeasurLink® ENABLED
Data Management Software by Mitutoyo

Display unit for X & Y Linear Scales

- ABSOLUTE and incremental modes (10 presets each)
- 0.05-.0001mm / .02" - .000005" in resolution
- Calculator functionality

## Compatible Digital-Read-Out (DRO) Devices

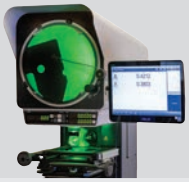
### M2 Software & Hardware: PH-3515 & PJ-PLUS

MeasurLink® ENABLED
Data Management Software by Mitutoyo

Now offering M2 V2 with added measurement analysis capabilities.

- 2D Coordinate Measurement Software
- Programable Measurement Procedures
- Statistical Analysis
- Full integration & A2LA Calibration Included

### Automatic Edge Detection



Fiber Optic Edge Detection system integrated into M2 software via M2 Communication Unit.

Intuitive Edge Teach Functionality built into software.

Allows for continuous measurement of features, while storing data for post process analysis.

## PJ-Plus with M2 2D Processor Packages

The PJ-Plus is a new series of profile projectors offered by Mitutoyo. This system utilizes LED lighting and a fanless design making it ideal for harsh manufacturing facilities or job shops.

| Order No. | Description | XY Stage | List | Promo |
|---|---|---|---|---|
| PJ-PLUS Main Units - 5% Off | | | | |
| 302-801-10A | PJ-P1010A 4x4"/100x100m | 4x4"/100x100m | Request a Quote | |
| 302-802-10A | PJ-P2010A 8X4"/200x200mm | 8X4"/200x200mm | | |
| PJ-PLUS & M2 Packages - 5% Off | | | | |
| 302-801-10A-M2 | PJ-PLUS 4x4 - M2 and Touchscreen PC Package | 4x4"/100x100mm | Request a Quote | |
| 302-801-10A-M2-EDGE | PJ-PLUS 4X4 - M2, Optical Edge Detection and Touchscreen | 4x4"/100x100mm | | |
| 302-802-10A-M2 | PJ-PLUS 8x4 - M2 and Touchscreen PC Package | 8x4"/200x100mm | | |
| 302-802-10A-M2-EDGE | PJ-PLUS 8x4 - M2, Optical Edge Detection and Touchscreen | 8x4"/200x100mm | | |
| Machine Stand (Optional) | | | List | |
| 050002-E-1 | Projector Stand | | $2,012.00 | |

Effective September 21 through December 18

**5% OFF** 5% off all Main Units

+

**5% OFF** 5% off all Packages

+

Installation & Calibration Included

302-801-10A-M2-EDGE

MeasurLink® ENABLED
Data Management Software by Mitutoyo

An XY axis digital counter is built into the PJ-Plus

## PV-5110 Vertical (Downward) Profile Projector (5% OFF Main Unit & 5% OFF DRO)

The PV-5110 Profile Projector is a downward optical axis projector fitted with a stable glass stage for delicate item inspection, ensuring accuracy and preventing damage. Its advanced optics and secure platform make it an optimal choice for precise applications, particularly with thin or delicate workpieces.

- ø19.4" Screen, Vertical Projector.
- Downward Optical Axis - Provides improved oblique surface illumination.
- LED illumination.
- Built-In Dual Oblique Surface Illumination for improved contrast.

**5% OFF** 5% off all Main Units

+

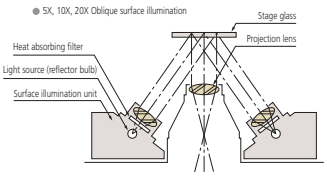
**5% OFF** 5% off all Packages

+

Installation & Calibration Included

| Order No. | Description | List | Promo |
|---|---|---|---|
| PV-5110 Main Unit & Digital Readout Interface Packages - 5% Off | | | |
| 304-919-11A-KA | PV-5110 with KA Counter | Request a Quote | |
| 304-919-11A-QM | PV-5110 with QM Data | | |
| 304-919-11A-QM-OPT | PV-5110 with QM Data and Optoeye | | |

PLEASE NOTE: No stand or elevated surface is required.



304-919-11A-KA
PV-5110 with KA Counter

## Additional DRO

QM Data: PH-3515, PJ-PLUS, PV-5110 & PJ-H30

The QM-Data200 unit features the powerful QM 2D coordinate measurement software pre-loaded onto our rugged user interface. The QM-Data200 interface features easy-to-use key operations and allows for measurement results to be visualized on its LCD Display.

MeasurLink® ENABLED
Data Management Software by Mitutoyo

Plot Single Data Points

Return 2-Dimensional Graphic and Calculated Values

- Built-In Guided Measurement Tutorials.
- Programmable Measurement Procedures & Calculations.
- Data Collection and USB Output.
- Full Integration and A2LA Calibration conducted by Mitutoyo Field Service team.

Optoeye-200

Optical Edge Detection
(Additional Purchase Required)

## PJ-H30 High Accuracy Vertical Profile Projector

The Mitutoyo PJ-H30 is unique given its ability to produce an uninverted image, improving intuitive operation as the projected image appears in the same orientation as the workpiece.

- Optical system with high NA lenses provides bright and high contrast images
- The three-lens mounting turret includes a 10X lens as standard
- Built-in digital XY Counter

303-716-13A &
264-131-13A-PJH-OPT

| Order No. | Description | XY Travel | List | Promo |
|---|---|---|---|---|
| PJ-H30 Main Units - 5% OFF | | | | |
| 303-716-13A | PJ-H30A1010B | 4x4"/100x100mm | Request a Quote | |
| 303-717-13A | PJ-H30A2010B | 8x4"/200x100mm | | |
| 303-718-13A | PJ-H30A2017B | 8x6.7"/200x170mm | | |
| 303-719-13A | PJ-H310A3017B | 12x6.7"/300x170mm | | |
| Digital Readout Interface (Add-On Packages - Optional) - 5% Off | | | | |
| 264-161-13A-PJH | QM-DATA200 Arm Type (PJ-H Series Package) | | Request a Quote | |
| 264-161-13A-PJH-OPT | QM-DATA200 Arm Type & Optoeye (PJ-H) | | | |
| Machine Stand (Optional) | | | List | |
| 050002-E-1 | Projector Stand | | $2,012.00 | |

**5% OFF** 5% off all Main Units

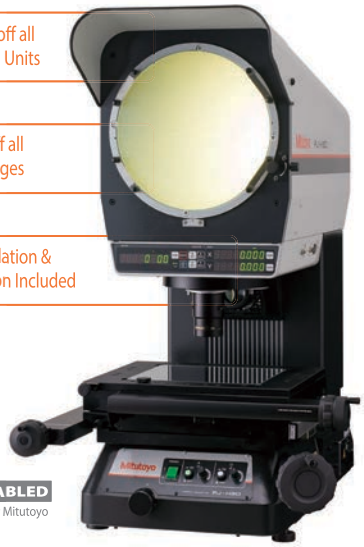
+

**5% OFF** 5% off all Packages

+

Installation & Calibration Included

MeasurLink® ENABLED
Data Management Software by Mitutoyo



303-717-13A PJ-H30A2010B

# Measuring Reimagined.

## QM-Fit

### Precision at the Speed of Touch

Measure faster, easier, and anywhere with this compact desktop smart measuring system. Just place your workpiece and instantly capture multiple dimensions with ±10 µm, accuracy, no focusing, no fuss. Its touch-panel control and table-top footprint make high-precision measurement simple, quick, and accurate.

- Ideal for users of profile projectors and hand measuring tools.
- Wide field of view and spacious stage for easy workpiece setup.
- Large batch measurement capability.
- Operates with only a single power cord, no external PC required.
- Automatically extracts multiple measurement elements from the image in one shot.

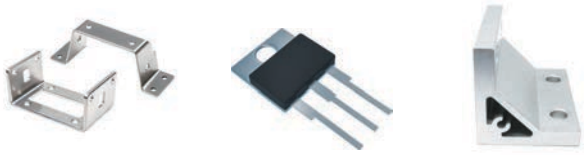
NEW Products

| Package | Description |
|---|---|
| 359-752-13 | QM-Fit with Mitutoyo Installation & Calibration |

Accuracy spec based on controlled environment (20 °C ±1 ° C)

## IMPROVED EFFICIENCY IN MEASURING INTRICATE PARTS

Advanced element recognition provides intelligent and efficient dimensional measurement. The intuitive touch panel makes accurate and reliable measurements easy for anyone to perform. Developed with our end users' requests in mind, this system perfectly meets the needs of demanding industrial environments.



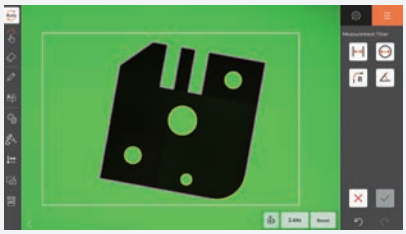
Workpieces can be measured instantly, simply by placing them on the measuring stage.

Effective September 21 through December 18

### Automatic Element Detection

Detects multiple elements at once.

Automatically recognizes and detects circles, lines, and more with just one tap. Measurements can be performed quickly without the need to specify elements one by one in advance.

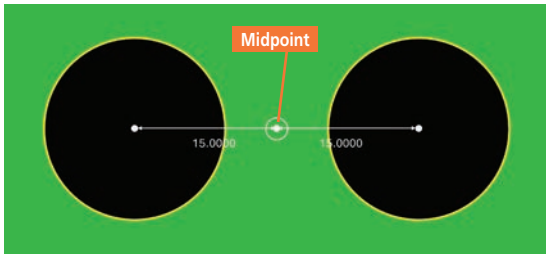


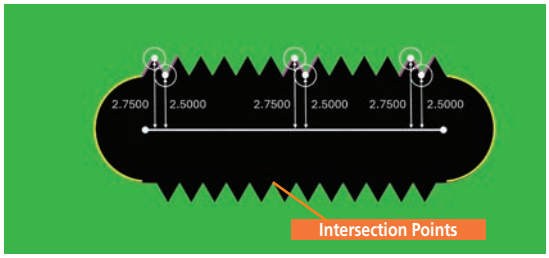
Detected elements have their outline color changed.

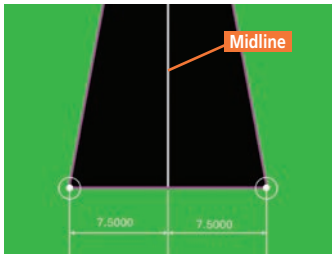
QM-Fit

SMART VISION SYSTEM - Compact Vision Measuring Machine

## NEW FEATURES

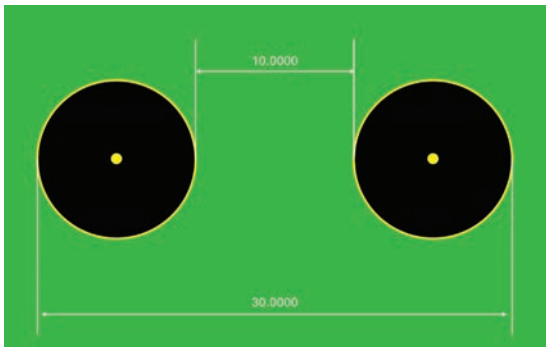



### Midline / Midpoint:

Create and measure midpoints, midlines, and intersection points.




### Distance between circles:

Circle-Circle Shortest Distance and Longest Distance

### Intersections:

Create and measure intersections using circular and line elements:

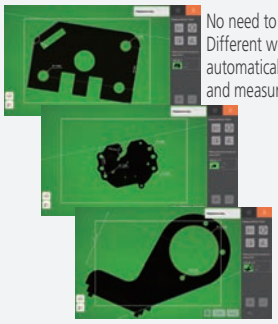
- Intersection of circle and circle
- Intersection of line and circle

NEW FEATURES

## Procedure Recording

Simply place the workpiece for automatic inspection.

Even if workpieces are randomly placed on the measuring stage, it can quickly recognize their shape, identify the workpiece, and immediately begin measurement. Creating procedures is as easy as measuring a single workpiece.

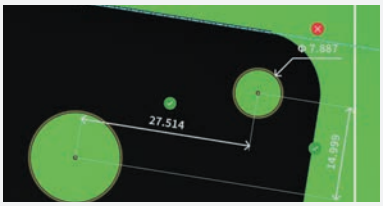


No need to push a button. Different workpieces are automatically recognized and measured.

## Pass/Fail Judgment

Pass/fail checks at a glance.

By entering nominals and tolerances, the measurement results are displayed as ✓ (pass) or ✕ (fail), allowing quick judgment at a glance.




1 SMART 2 INSTINCTIVE 3 COMPACT

## Quick Image

A double telecentric optical system with a large depth of focus, quick release stage, and a large selection of stage sizes make the Quick Image a high-efficiency VMM.

- Manual or motorized stages available.
- High pixel count color camera.
- Automatic part location with pattern search tool.
- CAD file overlay.
- Profile of a line built in.
- Stitching function allows for measurements of parts larger than the field of view.

| Package | Model No. | Stage Size | List | Promo |
|---|---|---|---|---|
| 361-850M3PK | QI-A1010D | 4″ x 4″ | Request a Quote | |
| 361-851M3PK | QI-A2010D | 8″ x 4″ | | |
| 361-852M3PK | QI-A2017D | 8″ x 7″ | | |
| 361-853M3PK | QI-A3017D | 12″ x 7″ | | |
| 361-854M3PK | QI-A4020D | 16″ x 8″ | | |

Packages include machine, PC, software, installation, A2A accredited calibration, and online training
* Manual Stage

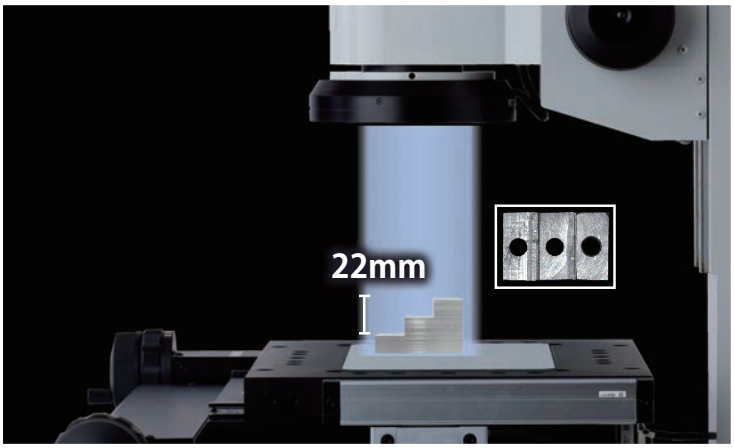
## M3 Software

An intuitive and thoughtful icon-driven user interface, a flexible probe library, and powerful tolerancing and programming make M3 the perfect solution for the Quick Image system.

- Includes profile
  - Allows profile of a line comparing measured points to a nominal CAD file
- Includes DXF overlay
  - Overlay a CAD file, similar to a profile projector overlay
- Includes image stitching
  - Measure large parts by combining multiple fields of view into a single image
- Includes pattern search
  - Automatically locate and measure a part regardless of size or orientation
- Includes program finder
  - Automatically identify a part and load the corresponding part program
- Includes multi-measure
  - Measure multiple features by drawing a box around them

Effective September 21 through December 18

Errors due to height are greatly minimized with a depth of focus up to 22mm. Measurement errors due to human focusing are eliminated.



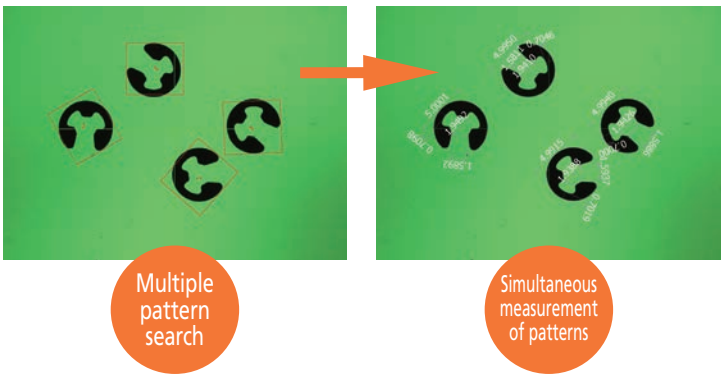

Measuring a stepped workpiece

| Package | Model No. | Stage Size | List | Promo |
|---|---|---|---|---|
| 361-860-11M3PK | QI-C2010D | 8″ x 4″ | Request a Quote | |
| 361-861-11M3PK | QI-C2017D | 8″ x 7″ | | |
| 361-862-11M3PK | QI-C3017D | 12″ x 7″ | | |

Packages include machine, PC, software, installation, A2A accredited calibration, and online training
*Motorized Stage

## Auto-Recognition

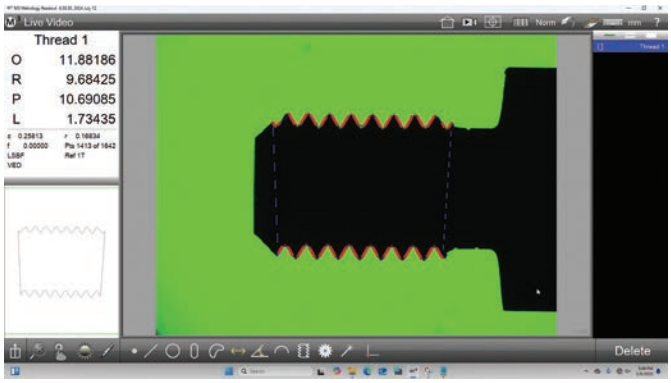
Use pattern search for multiple workpieces within the screen view, and measure them all in one operation with a single touch or mouse click. This eliminates the need for accurate positioning of workpieces and cumbersome setup of fixtures.




## Optional Thread Module

Adds the ability to inspect external thread features and quickly calculate the Outside and Root Thread Diameters, the Pitch Diameter, the Lead, and the Root and Crest Truncation values.

| Order No. | Package | List | Promo |
|---|---|---|---|
| 64VIS002 | LF-TM | Request a Quote | |



## MF Measuring Microscopes with Metlogix M2 Software and Touch-Screen Tablet

Featuring M2 geometric measuring display

- Highest measuring accuracy in its class.
- Quick release mechanism and zero-set buttons on stage controls increase operability when working on larger workpieces.
- Easy-to-use all-in-one PC touch ccreen display.
- M2 Geometric 2D measurment software & interfacing retrofit available.
- Camera port is standard on all models.
- Wide range of objectives available from 1x to 100x.

MeasurLink® ENABLED
Data Management Software by Mitutoyo

172-864-10 - MF-A3017, LED, BINOCULAR TUBE, 64PKA-M2-MF - M2 Software/ Hardware

20% OFF

## MF-U Measuring Microscopes

- Measuring accuracy that is highest in its class (and conforms to JIS B 7153).
- Quick release mechanism and zero-set buttons on stage controls increase operability when working with large workpieces.
- Compatible with all Mitutoyo M Plan Infinity Corrected Optics.
- Optional manual or motorized turrets available.
- M2 Geometric 2D measurment software & interfacing retrofit available.
- Promoted units stage travel ranges from 200mm x 100mm to 300 x 170mm

20% OFF

176-878-10 MF-UB2017D - with 64PKA-M2-MF - M2 Software/ Hardware

MeasurLink® ENABLED
Data Management Software by Mitutoyo

64PKA-M2-MF
M2 Retrofit Kit for MF/MF-U Microscopes

M2 is a universal 2D coordinate measurement software which has become the preferred software for many optical comparator users due to its intuitive user interface and data collection procedures.

- Software & All-In-One Touch Screen PC Included
- Full Integration and A2LA Calibration conducted

## Discounted Microscope Main Units

**LIMITED SUPPLY - WHILE SUPPLIES LAST**

| Order No. | Description | List | Promo |
|---|---|---|---|
| 176-864-10 | MF-A3017D 300x170mm \| BrightField Manual Microscope | Request a Quote | |
| 176-878-10 | MF-UB2017D 200x170mm \| Infinity Corrected, Bright Field, 3-Axis, Manual | | |
| 176-879-10 | MF-UB3017D 300x170mm \| Infinity Corrected, Bright Field, 3-Axis, Manual | | |
| 176-886-10 | MF-UD1010D 100x100mm \| Infinity Corrected, Bright Field & Dark Field, 3-Axis, Manual | | |
| 176-887-10 | MF-UD2010D 200x100mm \| Infinity Corrected, Bright Field & Dark Field, 3-Axis, Manual | | |
| 176-888-10 | MF-UD2017D 200x170mm \| Infinity Corrected, Bright Field & Dark Field, 3-Axis, Manual | | |
| 176-889-10 | MF-UD3017D 300x170mm \| Infinity Corrected, Bright Field & Dark Field, 3-Axis, Manual | | |

*illumination Unit Sold Separately
*While Supplies Last

Installation & Calibration Included

Effective September 21 through December 18

## TM Toolmakers' Microscopes

- Adjustable illumination intensity.
- Angle measurement is performed easily by turning the angle scale disc to align the cross-hair reticle with the workpiece image.
- Includes standard accessories which create an overall magnification of 30X. Magnifications can be changed from 20X - 200X by using optional objectives and/or eyepieces.
- .000050" Resolution Digimatic micrometer heads included.

MeasurLink® ENABLED
Data Management Software by Mitutoyo

Newly designed LED illumination

| Model No. | | TM-A505B | TM-A1005B |
|---|---|---|---|
| Order No. | | 176-820-11A | 176-821-11A |
| Eyepiece | | Standard accessory: 15X (field number: 13), Options: 10X, 20X | |
| Objective lens | | Standard accessory: 2X, Options: 5X, 10X | |
| Microscope head | Maximum height of workpiece | 4.53" / 115mm | 4.21" / 107mm |
| Illumination unit | Transmitted illumination | Stepless brightness adjustment, White LED light source, with green filter | |
| | Surface illumination | Oblique single-source type, Stepless brightness adjustment, White LED light source | |
| Cross-travel stage | Measuring range | 2" x 2" / 50×50mm | 4" x 2" / 100×50mm (An optional 2"/50mm gage block is required to cover full range. A CERA block is recommended.) |
| | Usable area of the stage glass | 3.8" x 3.8" / 96×96mm | 6" x 3.8" / 154×96mm |
| | Maximum stage glass loading | 11 lbs. / 5kg | |
| Linear measurement method | | Micrometer heads included | |
| List | | $8,730.00 | $11,344.00 |
| Promo | | $8,294.00 | $10,777.00 |

| Order No. | Description |
|---|---|
| 64PMI247 | MOTICAM S1, 1.2 MEGAPIXEL-1/3" CMOS, USB |
| 64PMI249 | MOTICAM S3, 3.0 MEGAPIXEL-1/2" CMOS, USB |
| 64PMI248 | MOTICAM S6, 6.0 MEGAPIXEL-1/1.8" CMOS, USB |
| 64PMI252 | MOTI-CAM 4000, 8 MEGAPIXEL, 1/1.8" CMOS , USB/HDMI |
| 63AAA060 | .37x C-Mount Eyetube Adapter |

## Trinocular Stereo Microscope SMZ143-N2LED

- Continuous 1X - 4X magnification.
- Image always in focus throughout zoom range.
- Crisp, erect images with high resolution and excellent stereoscopic effect.
- Stereo-tube can be rotated a full 360° for viewing at any angle.
- Bilateral zoom control knob adds convenience and increases operator efficiency.
- Diopter adjustment for both eyepieces.

| Model<br>**Order No.** | MSM-414TL<br>**377-993A** |
|---|---|
| Optical tube | Trinocular head |
| Total magnification | 10X - 40X |
| Eyepiece | Widefield WF10X/20mm |
| Objective | 1X - 4X |
| Working distance | 80mm |
| Field of view | 20mm - 5mm |
| Dimensions | 237x170x335mm |
| Mass | 6.2kg |

| Order No. | Description | List | Promo |
|---|---|---|---|
| Stereo Microscope Unit | | | |
| 377-993A | MSM-414TL TRINOCULAR MICROSCOPE | Request for Quote | |
| Observational Camera Accessories | | | |
| 377-481 | C-mount Video Adapter for SMZ143-N2LED | $83.00 | $79.00 |
| 64PMI309 | MOTICAM 4000X, 1.45 x 1.45µm PIXEL, HDMI / USB MULTIPOINT | $3,924.00 | $3,728.00 |

*377-481 and 64PMI252 purchased separately

Camera with software for digital viewing

## Surftest SJ-220 Packages

MeasurLink® ENABLED
Data Management Software by Mitutoyo

- NEW 2.8" color touch screen makes navigation and measuring condition settings easier to perform.
- The built-in battery charges via USB Type-C has approximately 1,000 measurements on a full charge (4 hours charging time).
- Performs roughness analysis conforming to international standards JIS '82 / JIS '94 / JIS '01 / ISO '97 /ANSI/VDA including ISO21920.
- Optional MicroSD card can store up to 500 measurement conditions, 10,000 measurement results and 500 image data.
- New [HOME] key lets the operator easily recall frequently used calibration and measurement conditions.

178-742-13

**ASK US ABOUT OUR SJ-220 ELEARNING COURSE**

| Order No. | Description | List | Promo |
|---|---|---|---|
| **178-742-13** | Surftest SJ-220 Standard drive unit type 4mN inch | $4,212.00 | $3,791.00 |
| **12AAA221** | Adapter, Magnetic Stand, Dia. 8mm | $72.00 | $65.00 |
| **12AAA233** | Adapter, Height Gauge, 1/4" X 1/2" | $162.000 | $146.00 |
| **178-069** | Stand, SJ-210/310/410 | $1,602.00 | $1,442.00 |
| **178-602DCAL** | Roughness Specimen, IN/MM, W/Certificate | $428.93 | $386.00 |
| **264-628** | WIRELESS UNIT FOR MEASURING INST U-WAVE-TIB | $422.00 | $380.00 |
| **570-413** | HEIGHT GAUGE, DIGIMATIC, ABSOLUTE LINEAR ENCODER 0-18", .0005" / 0-450MM, 0.01MM | $1,544.00 | $1,390.00 |

12AAA233

12AAA233

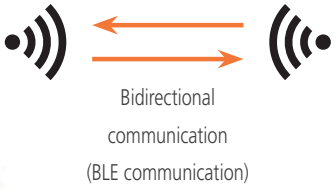
570-413

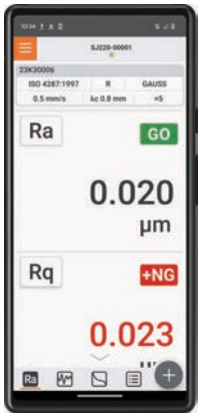
178-069

12AAA221

Wireless connectivity now available for increased measurement data

With Wireless Unit for Measuring Instrument U-WAVE-TIB installed




Effective September 21 through December 18

## This is a user-friendly device that provides compatibility and versatility to meet diverse manufacturing needs.

## Example of combination with Height Gage

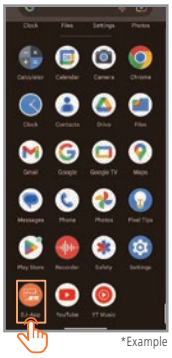
When used in combination with a Height Gage, a variety of measurements can be performed.

Use the QR code to access a demonstration video.

## Dedicated app "SJ-App" for increased efficiency of measurement work

The dedicated app that enables communication with the SJ-220 is equipped with various functions to increase work efficiency.
It is also possible to manage data, create inspection reports, and export to CSV and PDF files on the terminal.

Smartphone icon display

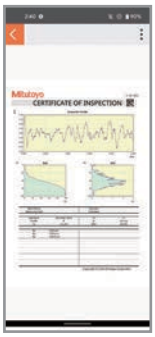


*Example

Startup screen

Calculation result

Inspection report



**App**

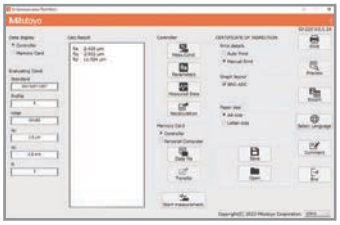
Dedicated smartphone app "SJ-App"

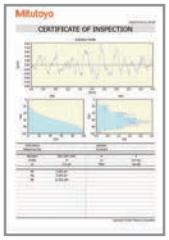
Freely available

Can be downloaded from the Mitutoyo website.
■ Download site URL
https://www2.mitutoyo.co.jp/eng/contact/products/SJ-App/
Android 12 or later, Bluetooth® 5.0 compatible (Android only)

## Added convenience by linking to PC with highly functional free software, "SJ-Communication-Tool"

We provide free software that allows you to import various data (measurement conditions, parameter settings, calculation results, measurement data) from the SJ-220 to create and edit inspection reports on your PC. This software can significantly reduce the time it takes to create reports.





Confirmed operation environments
■ OS: Windows 10 (64 bit), Windows 11 (64 bit)
* Windows is a product of Microsoft Corporation.
* Connection requires a USB 2.0 Cable or a Wireless Unit for Measuring Instrument U-WAVE-TIB.

**Software**

PC-linked software "SJ-Communication-Tool"

Freely available

Can be downloaded from the Mitutoyo website.
■ Download site URL
https://www2.mitutoyo.co.jp/eng/contact/products/SJ-Communication-Tool/
Windows 10/11, Bluetooth® 5.0 compatible (Windows only)

# Heavy Load Hardness Testers - HV Series

Highly Versatile Basic Model

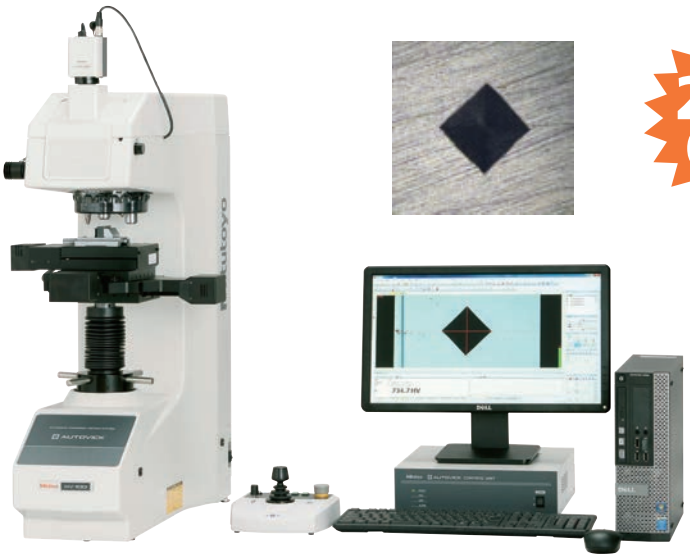
20% OFF

## HV-110/120 System A

- Equipped with a high performance motorized test force selection function and motorized turret mounts.
- Operates as smoothly as electric models but with the certainty of traditional test force.
- A list function makes it easy to perform multi-point and average hardness evaluations which required extra effort or external data processors with conventional manual models. This convenient screen enables consistency of test results.
- Motorized test force selection and motorized turret positions can be easily controlled via a touch screen control panel. Adjustable X-Y stage with built-in digital micrometers for detailed measurement analysis.

| Model | Test Force | | | | | | | | | Order No. | Body | List | Promo |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HV-110 | V.S* | HV1 | HV2 | HV3 | HV4 | HV5 | HV10 | HV20 | HV50 | 810-440-13 | HV-110 - TYPE A - MANUAL BODY IN/ MM SPECIFICATION | Request a Quote | |
| | N | 9.807 | 19.61 | 29.52 | 49.03 | 98.07 | 196.10 | 294.2 | 490.3 | | | | |
| | kgf | 1 | 2 | 3 | 5 | 10 | 20 | 30 | 50 | | | | |
| HV-120 | V.S* | HV 0.3 | HV 0.5 | HV1 | HV2.5 | HV5 | HV10 | HV20 | HV30 | 810-445-13 | HV-120 - TYPE A - MANUAL BODY IN/ MM SPECIFICATION | | |
| | N | 2.942 | 4.903 | 9.807 | 24.51 | 49.03 | 98.07 | 196.1 | 294.2 | | | | |
| | kgf | 0.3 | 0.5 | 1 | 2.5 | 5 | 10 | 20 | 30 | | | | |

*V.S - Vickers Scale
*Additional Components Required for a Complete System





20% OFF

Installation & Calibration Included

## HV-110/120 System B,D

- B and D series testers feature AVPAK dedicated image software enabling automatic indentation reading with excellent automatic edge detection capability, reducing reading variation and visual error.
- D series testers add powered X-Y stages which enable automatic continuous testing. This allows extended multi-point testing, complex pattern creation and multiple workpiece analysis to be carried out automatically.
- D series testers add Auto Focus and create a fully automatic system that dramatically shortens the cycle time of your test and indentation analysis.

| Model | Test Force | | | | | | | | | Order No. | Body | List | Promo |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HV-110 | V.S* | HV1 | HV2 | HV3 | HV4 | HV5 | HV10 | HV20 | HV50 | 810-443A | HV-110 - TYPE B/D - BODY IN/MM SPECIFICATION | Request a Quote | |
| | N | 9.807 | 19.61 | 29.52 | 49.03 | 98.07 | 196.10 | 294.2 | 490.3 | | | | |
| | kgf | 1 | 2 | 3 | 5 | 10 | 20 | 30 | 50 | | | | |
| HV-120 | V.S* | HV 0.3 | HV 0.5 | HV1 | HV2.5 | HV5 | HV10 | HV20 | HV30 | 810-448A | HV-120 - TYPE B/D - BODY IN/MM SPECIFICATION | | |
| | N | 2.942 | 4.903 | 9.807 | 24.51 | 49.03 | 98.07 | 196.1 | 294.2 | | | | |
| | kgf | 0.3 | 0.5 | 1 | 2.5 | 5 | 10 | 20 | 30 | | | | |

*V.S - Vickers Scale
*Additional Components Required for a Complete System

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SCAN ME

Mitutoyo

## Micro Vickers Hardness Testers - HM Series

- HM Type A systems include a built-in measuring eyepiece for indentation analysis and accurate workpiece positioning.
- Automatic Turret (Touch-screen controlled in Type A systems and software controlled via AVPAK in Type B and D systems).
- Test force range 10g-1000g (HM-210) and .05-2000g (HM-220).
- LED illumination.
- Type B and D systems include a camera for software analysis (Type A systems can use optional camera for digital imagery).
- Type A and B systems use micrometer-controlled adjustable stages and Type D systems utilize a motorized XY Stage.

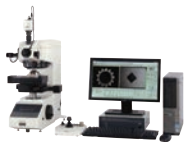
**20% OFF**

64AAB308PA
HM-210B Type System

Installation & Calibration Included

## 20% OFF MICRO VICKERS TESTERS!

MeasurLink® ENABLED
Data Management Software by Mitutoyo

| Functions | System A | System B | System D |
|---|---|---|---|
| | | |  |
| Focusing | Manual | Manual | Automatic |
| Testing Action | Single Point | Single Point | Pattern Specific |
| Test-point Positioning | Manual X-Y Stage | Manual X-Y Stage | Automatic X-Y Stage |
| Measuring Indentations | Manual Monoscope | Automatic by AVPAK | Automatic by AVPAK |
| Camera (for observing and measuring indentations) | 600,000 Pixels B&W* | Color, 3 Million Pixels | Color, 3 Million Pixels |
| Operating the Main Unit | Touch Panel | PC** | PC** |

** PC sold separately

*Additional packages available. Please contact your local Mitutoyo distributor or Mitutoyo sales representative.

*PC Sold Separately

## Discounted Testers

| Order No. | Description | List | Promo |
|---|---|---|---|
| 64AAB307P | HM220 VICKERS HARDNESS TESTER, TYPE A | Request a Quote | |
| 64AAB308P | HM220 VICKERS & KNOOP HARDNESS TESTER, TYPE A | | |
| 64AAB323PA | HM-210 VICKERS HARDNESS TESTER, TYPE B | | |
| 64AAB324PA | HM-210 VICKERS & KNOOP HARDNESS TESTER, TYPE B | | |
| 64AAB325P | HM-220 VICKERS HARDNESS TESTER, TYPE B | | |
| 64AAB326P | HM-220 VICKERS & KNOOP HARDNESS TESTER, TYPE B | | |
| 64AAB380PA | HM-210 VICKERS HARDNESS TESTER, TYPE D | | |
| 64AAB381PA | HM-210 VICKERS & KNOOP HARDNESS TESTER, TYPE D | | |
| 64AAB382P | HM-220 VICKERS HARDNESS TESTER, TYPE D | | |
| 64AAB383P | HM-220 VICKERS & KNOOP HARDNESS TESTER, TYPE D | | |

## Rockwell and Rockwell Superficial Hardness Tester

With Real-Time Electronic Test Force Control

- Closed-loop control of testing forces.
- Initial and Total test forces (loads) are applied with unparalleled accuracy and repeatability.
- Extended indenter arm reaches inside diameters and hard-to-reach surfaces at eye level, allowing the operator to easily see where the indenter accesses small or hard-to-reach parts.
- Automatic cycle start after initial set point is reached.
- Continuous test mode for automatic testing of all like-sized parts.
- All hardness parameters set automatically via the touch screen.
- Cylindrical and spherical surface corrections.
- Auto conversion to most common hardness scales or tensil strength.

MeasurLink® ENABLED
Data Management Software by Mitutoyo

10% OFF 10% off all Packages
+
FREE SHIPPING Free Shipping
+
Installation & Calibration Included

HR-530
810-233-33

| Model No. | | HR-530 | HR-530L |
|---|---|---|---|
| Order No. | | 810-233-33 | 810-333-33 |
| Hardness testing methods | | Rockwell / Rockwell Superficial / Brinell / Plastics Hardness | |
| Initial Test Force | | 29.42 N (3kgf), 98.07 N (10kgf) | |
| Test Force (N) | Superficial | 147.1 N (15kgf), 294.2 N (30kgf), 441.3 M (45kgf) | |
| | Rockwell | 588.4 N (60kgf), 980.7 N (100kgf), 1471 N (150kgf) | |
| | Light Force Brinell | 61.29 N (6.25kgf), 98.07 N (10kgf), 153.2 N (15.625kgf), 245.2 N (25kgf), 294.2 N (30kgf), 306.5 N (31.25kgf), 612.9 N (62.5kgf), 980.7 N (100kgf), 1226 N (125kgf), 1839 N (187.5kgf) | |
| Test Force Control | | Automatic (load / hold / unload) | |
| Maximum Speciment Size | | Height: 9.8" (250mm)<br>Depth: 5.9" (150mm) | Height: 15.5" (395mm)<br>Depth: 5.9" (150mm) |
| External Data Output | | RS-232C, Digimatic, USB2.0 | |
| External Dimensions | Main Unit | 9.84" x 26.38" x 23.82"<br>(250 w x 667 d x 621 h mm) | 11.6" x 26.2" x 30.1"<br>(300 w x 667 d x 766 h mm) |
| | Touch-Panel Display | 191 w x 147 d x 71 h mm (Color) | |
| Mass | | Approx. 60 kg | Approx. 69 kg |
| | List | $20,549.00 | $25,291.00 |
| | Promo | $18,494.00 | $22,762.00 |

* Must purchase Power Cord **02ZAA010**

10% OFF 10% off all Packages
+
FREE SHIPPING Free Shipping
+
Installation & Calibration Included

HR-530L
810-333-33

## ASTM Compliant HR Series Rockwell and Superficial Hardness Tester Packages Include:

- Certified Blocks and Indenters
- C and N Scale Indenter
- 1/16" Carbide Ball Indenter
- HRC30 Rockwell Test Block
- HRC63 Rockwell Test Block
- HRBW95 Rockwell Test Block
- HR30N60 Rockwell Test Block
- HR30TW70 Rockwell Test Block
- Certificate stating conformance to ASTM E 18
- Mitutoyo Installation and A2LA Calibration

*HR-430MR includes only diamond indenter, C-scale indenter, HRC and HRBW blocks listed above*

Calibration Set

| Order No. | Order No. | Order No. | Order No. |
|---|---|---|---|
| 64HAA462 | 64HAA463 | 64HAA464 | 64HAA465 |
| HRC Scale | HRBW Scale | HR30N Scale | HR30TW Scale |
| Test Blocks | Test Blocks | Test Blocks | Test Blocks |
| 64HAA181 | 64HAA172 | 64HAA270 | 64HAA303 |
| 64HAA177 | 64HAA170 | 64HAA266 | 64HAA301 |
| 64HAA173 | 64HAA168 | 64HAA262 | 64HAA299 |
| Universal Style Indenter with Flat | | | |
| 64HAA100 | 64HAA119 | 64HAA101 | 64HAA119 |

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*For more information regarding compatible accessories such as fixtures, indenters, and calibration blocks use the QR Code!*

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*Scan to Unlock the Power of Hardness Testing – Elevate Your Quality Control Today!*

SCAN ME

Mitutoyo

## A Complete Line of ASTM Compliant Rockwell Hardness Testing Machines

**10% OFF** 10% off all Packages

+

FREE SHIPPING Free Shipping

+

Installation & Calibration Included

| | HR-320MS | HR-430MR | HR-430MS | HR-610A/HR-620A | HR-620B |
|---|---|---|---|---|---|
| Rockwell Scales | | x | | | |
| Rockwell and Superficial | x | | x | x | x |
| Dead Weight | x | x | x | | |
| Individual Hanging Weights | x | | | | |
| Dial Weight | | x | x | | |
| Automatic break | | x | x | | |
| Closed Loop | | | | x | x |
| Digital Display | x | x | x | x | x |
| 7.1" Max Sample Height | x | x | x | | |
| 9.8" Max Sample Height | | | | x | x |
| 15.5" Max Sample Height | | | | | |
| 6.5" Max Depth | x | x | x | | |
| 5.9" Max Depth | | | | | |
| 8.6" Max Depth | | | | x | x |
| CNC | | | | | x |
| Motorized X Stage (Optional) | | | | x | x |
| Motorized Y Stage | | | | | x |
| Software Control and Analysis | | | | | x |
| ASTM Compliant HR Series Rockwell & Rockwell Superficial Packages - All 10% Off | 810-192-21 | 810-193-21 | 810-194-31 | 810-512-23 (HR610A) or 810-522-23 (HR620A) | 810-527-21 |
| List | $12,622.00 | $14,126.00 | $18,580.32 | Request a Quote | **Request a Quote** |
| Promo | $11,359.80 | $12,713.40 | $16,722.29 | | |

* Must purchase Power Cord **02ZAA010**

## Scalable Interfacing Options

HR-320MS, HR-430MR, HR-430MS Interface

HR-530, HR-530L, HR-610A & HR-620A Touchscreen Controller

HR-620B PC Interface, Utilizing AVPAK Software

## EJ Series Industrial Interface-mounted Compact Counter

### Compact size and easy to use

Up to 8 compact counters (EJ counters) can be linked providing the capacity to connect up to 16 gages. On a DIN rail, each unit can be connected directly without using cables, so it takes up minimal space. All linked units and gages can be driven by a single power source.

### EtherNet/IP, CC-Link, PROFINET, EtherCAT or USB Connection

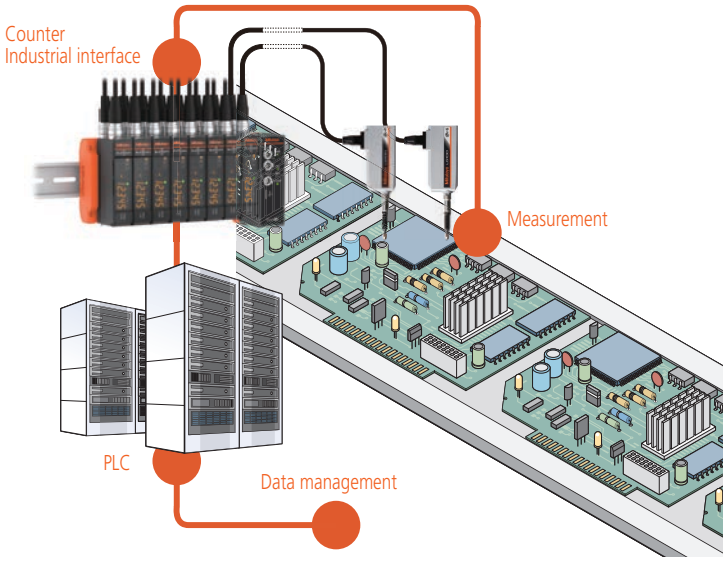
Data can be output through an industrial interface by linking a compact counter (EJ counter) with an interface unit. Constant data monitoring and positional management are performed. A USB interface is also provided for easy connection with a computer.

Note: The range of interfaces is set to be expanded in the near future.

| Order No. | Description | List | Promo |
|---|---|---|---|
| 542-081 | Main EJ Module Counter | $1,193.00 | $1,133.00 |
| 542-081A | Main EJ Module w/AC Components | $1,397.00 | $1,327.15 |
| 21HZA149 | USB Only Interface | $730.00 | $694.00 |
| 21HZA186 | CC-Link Module (Mitsubishi), and USB | $1,617.00 | $1,536.00 |
| 21HZA187 | PROFINET Module | $1,617.00 | $1,536.00 |
| 21HZA188 | EtherNet/IP Module | $1,678.00 | $1,594.00 |
| 21HZA264 | EtherCat Module | $1,617.00 | $1,536.00 |

### Calculation function

Enables sum difference operations between 2 gages connected to the same counter. Functions such as tolerance judgment and peak hold are also included.




## Linear Gage LG200 Series

- Slimmer body with approx. 1/5 cross section compared with **542-190** (**LG100**).
- High-accuracy gage head suitable for in-line and in-laboratory use.
- Assures the expected repeatability (2$\sigma$) in the full measurement range and the narrow-range precision.
- Protection grade IP67G with sliding durability of 100 million times and more and adoption of highly oil-resistant materials.
- It can be connected to a compact counter (EJ counter) suitable for in-line use or building into a device or a multifunctional counter (EH counter) suitable for use in measurement rooms.

IP67 G

542-186/542-187/542-188

| Order No. | Description | List | Promo |
|---|---|---|---|
| 542-186 | LG200-110, Range: 0.4"/10mm, Res:.00005"/ 1µm | $1,277.00 | $1,213.00 |
| 542-187 | LG200-0510, Range: 0.4"/10mm, Res:.00002"/ 0.5µm | $1,374.00 | $1,305.00 |
| 542-188 | LG200-0110, Range: 0.4"/10mm, Res:.00005"/ 0.1µm | $1,471.00 | $1,397.00 |

Effective September 21 through December 18

## Linear Gage LG100 Series

### High Accuracy

Precision and accuracy demanded by the automated assembly and inspection markets are guaranteed. Due to our expertise as a manufacturer of measuring instruments, repeatability in the full measurement range (2σ) and narrow-range precision are also guaranteed.

### Environment Resistance

Sliding durability of more than 50 million cycles*, with protection level of IP67G. A highly oil-resistant material is used in the rubber cap and cable sheath so it can be used in harsh environments.

* 10 mm range models (Actual value from in-house tests)

### Reference Point Detection (LG100 Series)

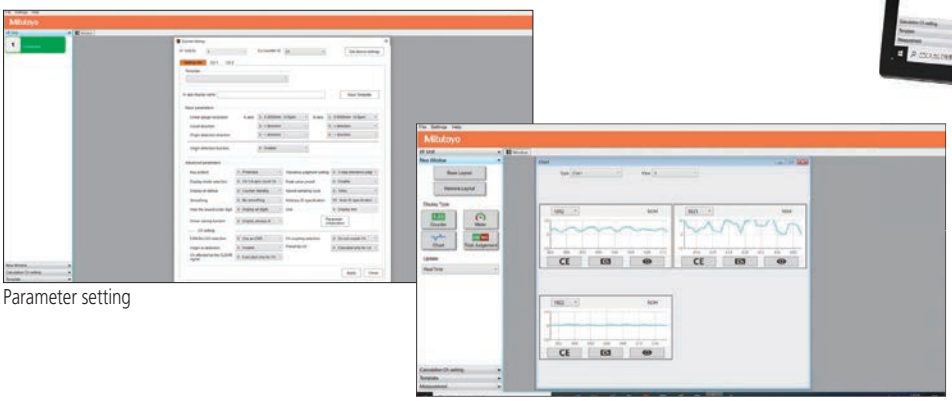
Reference point signal output functions are featured throughout this series. When incorporating into a device, the master setting value is easy to set and is retained after shutdown.

| Order No. | Description | List | Promo |
|---|---|---|---|
| 542-190 | LG100-110, Range: .4"/10mm, Res: .00005"/1µm | $1,102.00 | $1,047.00 |
| 542-191 | LG100-0510, Range: .4"/10mm, Res: .00002"/0.5µm | $1,252.00 | $1,189.00 |
| 542-192 | LG100-0110, Range: .4"/10mm, Res: 5µinch/0.1µm | $1,362.00 | $1,294.00 |
| 542-193 | LG100-125, Range: 1"/25mm, Res: .00005"/1µm | $1,398.00 | $1,328.00 |
| 542-194 | LG100-0525, Range: 1"/25mm, Res: .00002"/0.5µm | $1,569.00 | $1,491.00 |
| 542-195 | LG100-0125, Range: 1"/25mm, Res: 5µinch/0.1µm | $1,678.00 | $1,594.00 |
| 542-196 | LG100-150, Range: 2"/50mm, Res: .00005"/1µm | $1,702.00 | $1,617.00 |
| 542-197 | LG100-0550, Range: 2"/50mm, Res: .00002"/0.5µm | $1,885.00 | $1,791.50 |

## LG QuickSetup Tool

A configuration tool is FREE for use with the EJ counter when connected via the optional USB interface. Multiple settings normally carried out with counter operating keys can now be easily applied from a computer. Live displays allow for easily viewing gage positions or measurements at a glance.

Note: This software can be used free of charge and downloaded from the Mitutoyo website.
https://www.mitutoyo.co.jp/eng/contact/products/lg/



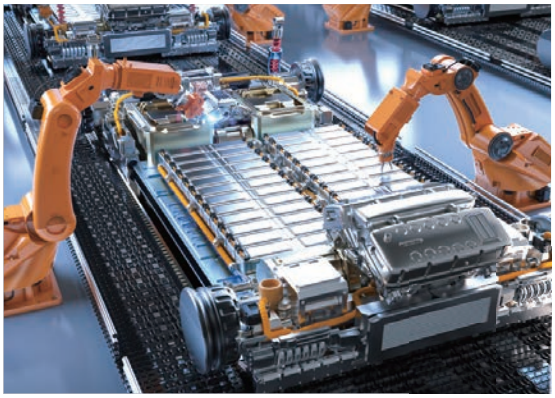
Parameter setting

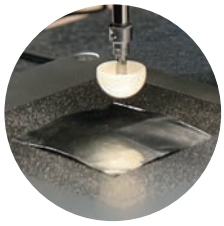
General settings

## Solution for Film and Foil Thickness Measurement

The key to success:
High accuracy thickness measurement of thin foil and film samples.

- The combination of the Litematic and the vacuum plate system provides high accuracy measurement of easily deformed material.
- Litematics allow measurements at forces as low as 0.01N. The ceramic ball contact included with the Vacuum Packages will increase the force to 0.04N.
- The vacuum plate absorbs the contact-sensitive specimen, such as battery film, onto the plate surface for more stable measurement.
- Mitutoyo Canada provides vacuum plate packages as well as custom-made solutions.
- Optional set 02AZE375 enables the application of up to 10 intermediate forces.
- Data export to MeasurLink® and MS Excel®.





Vacuum Off

Vacuum On

VL-50-B

VL-50S-B

### Separate Type Litematic Main Unit

| Order No. | Model | Test Force* | List | Promo |
|---|---|---|---|---|
| 318-226-23 | VL-50S-B | 0.01N | $12,088.00 | $11,484.00 |
| 957460 | Granite Stand | | $6,853.00 | $6,510.00 |

- Measuring accuracy (20°C) up to (0.5+L/100) µm L=arbitrary measuring length (mm).
- Repeatability up to 0.05 µm.

### Stand-alone Litematic Main Unit

| Order No. | Model | Test Force* | List | Promo |
|---|---|---|---|---|
| 318-221-23 | VL-50-B | 0.01N | $13,990.00 | $13,291.00 |

- Measuring accuracy (20°C) up to (0.5+L/100) µm L=arbitrary measuring length (mm).
- Repeatability up to 0.05 µm.

### Vacuum Package Add-ons

| Order No. | Model | List | Promo |
|---|---|---|---|
| 64PKA297 | 50x50mm Vacuum Package | Request a Quote | |
| K543722 | Laser-activated Vacuum Package | Request a Quote | |

*The ceramic ball contact included with Vacuum Packages will add 0.03N.

### Vacuum Package Add-ons

| Order No. | Model | List | Promo |
|---|---|---|---|
| 64PKA298 | 100x100mm Vacuum Package | Request a Quote | |

*The ceramic ball contact included with Vacuum Packages will add 0.03N.

Effective September 21 through December 18

## In-line Measuring System

LSM-02-A/30-A/CU-A

IP67

- Guaranteed repeatability: LSM-02-A (ø1 mm): ±0.015 µm, LSM-30-A (ø10 mm): ±0.06 µm
- Guaranteed linearity: LSM-02-A: ±0.3 µm, LSM-30-A: ±1.0 µm
- Equipped with USB Type-C, I/O ports, and optional industrial interfaces.
- Standard configuration software included for user-friendly setup.

I/F module

CC-LinkIE TSN EtherNet/IP EtherCAT PROFINET

| Order No | Range | Resolution | Protocol | List | Promo |
|---|---|---|---|---|---|
| 544-123 | .0002" - .08" / 0.005-2mm | 0.0000004"/0.01 µm | — | $10,761.00 | $10,223.00 |
| 544-124 | .012" - 1.18"/0.3-30mm | 0.0000004"/0.01 µm | — | $11,855.00 | $11,262.00 |
| 544-121 | — | — | USB, Digital I/O | $5,289.00 | $5,025.00 |
| 02AGQ300 | — | — | EtherNet/IP | $2,250.00 | $2,138.00 |
| 02AGQ350 | — | — | PROFINET | $2,250.00 | $2,138.00 |
| 02AGQ370 | — | — | EtherCAT | $2,250.00 | $2,138.00 |
| 02AGQ390 | — | — | CC-Link | $2,250.00 | $2,138.00 |

## High-Accuracy Non-Contact Measuring Systems

- Excellent linearity: down to +/- 0.3 micron.
- High-speed scanning capable: 3,200 scans per second.
- Various ranges available for selecting the best laser for your application.
- Statistical calculation mode.
- Memory function has been increased to allow storage of up to 100 programs.

QUICKTOOL* is free downloadable software that makes programming the LSM-6200 quick and easy.
*For use with customer-supplied PC and optional RS-232C cable.

Package

LSM-6200 Display Unit Included

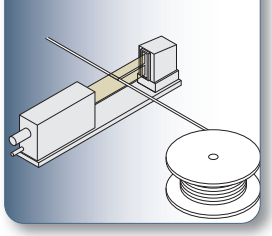
MeasurLink® ENABLED
Data Management Software by Mitutoyo

**WHILE SUPPLIES LAST**

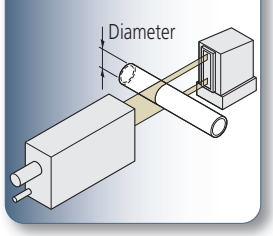
| Order No | Model | Range Inch | Range mm | Repeatability | Linearity | Scanning Rate | List | Promo |
|---|---|---|---|---|---|---|---|---|
| 64PKA119 | LSM-503S | .012" - 1.18" | 0.3~30mm | ±0.11µm | ±1.0µm› | 3,200 scans/sec | $18,902.00 | $17,957.00 |
| 64PKA120 | LSM-506S | .04" - 2.36" | 1~60mm | ±0.36µm | ±3µm› | 3,200 scans/sec | $21,820.00 | $20,729.00 |
| 64PKA121 | LSM-512S | .04" - 4.72" | 1~120mm | ±0.85µm | ±6µm› | 3,200 scans/sec | $34,830.00 | $33,089.00 |

› Linearity over entire range. Higher accuracies are possible over smaller ranges.

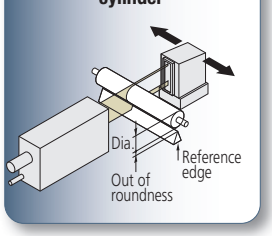
**On-line measurement of glass fiber or fine wire diameter**



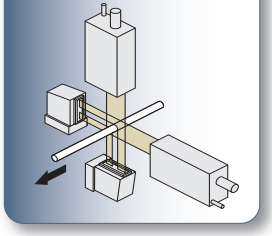
**Measurement of outer diameter of cylinder**



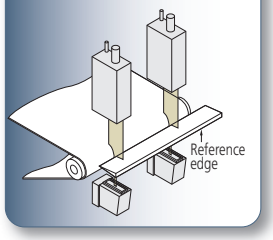

**Measurement of outer diameter and roundness of cylinder**




**X- and Y-axis measurement of electric cables and fibers**



**Measurement of thickness of film and sheet**



All prices are in Canadian Dollars

## Mitutoyo Digital Readout Packages

Mounting hardware included on all machine retrofit packages

All DRO Packages Include:

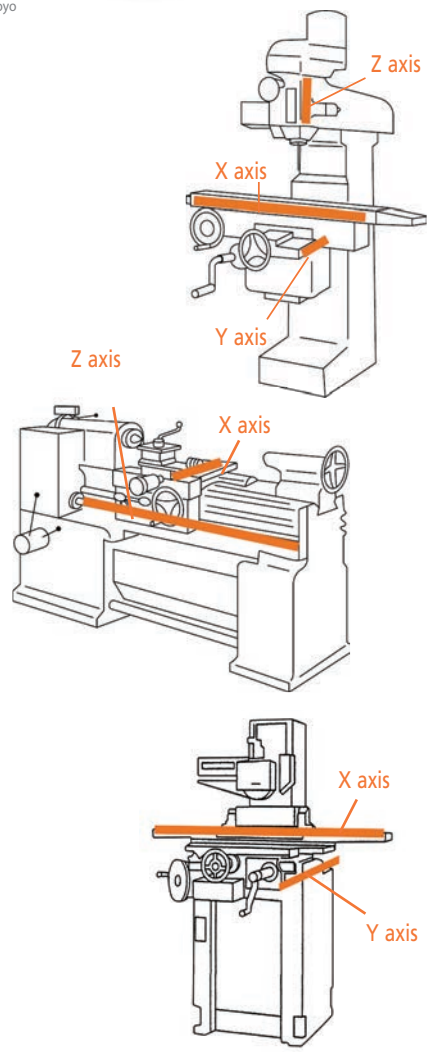
- KA-200 Counter
- KA-200 Counter tray/arm kit
- High Resolution Linear Scales (down to .0001" or better!)
- Bracket Kit(s)

5% OFF

## Linear Encoder: 5% Off

| Package Order No. | Description | List | Promo |
|---|---|---|---|
| 539-801N | LINEAR SCALE,AT715,4",100MM,ABSOLUTE | $773.00 | $734.00 |
| 539-802R | LINEAR SCALE,AT715,6",150MM,ABSOLUTE | $619.00 | $588.00 |
| 539-803R | LINEAR SCALE,AT715,8",200MM,ABSOLUTE | $418.00 | $397.00 |
| 539-804N | LINEAR SCALE,AT715,10",250MM,ABSOLUTE | $779.00 | $740.00 |
| 539-805N | LINEAR SCALE,AT715,12",300MM,ABSOLUTE | $779.00 | $740.00 |
| 539-806N | LINEAR SCALE,AT715,14",350MM,ABSOLUTE | $789.00 | $749.00 |
| 539-807N | LINEAR SCALE,AT715,16",400MM,ABSOLUTE | $802.00 | $761.00 |
| 539-808N | LINEAR SCALE,AT715,18",450MM,ABSOLUTE | $816.00 | $775.00 |
| 539-809N | LINEAR SCALE,AT715,20",500MM,ABSOLUTE | $824.00 | $782.00 |
| 539-811N | LINEAR SCALE,AT715,24",600MM,ABSOLUTE | $839.00 | $797.00 |
| 539-813N | LINEAR SCALE,AT715,28",700MM,ABSOLUTE | $852.00 | $809.00 |
| 539-814N | LINEAR SCALE,AT715,30",750MM,ABSOLUTE | $869.00 | $825.00 |
| 539-815N | LINEAR SCALE,AT715,32",800MM,ABSOLUTE | $874.00 | $830.00 |
| 539-816N | LINEAR SCALE,AT715,36",900MM,ABSOLUTE | $953.00 | $905.00 |
| 539-817N | LINEAR SCALE,AT715,40",1000MM,ABSOLUTE | $990.00 | $940.00 |
| 539-818N | LINEAR SCALE,AT715,44",1100MM,ABSOLUTE | $900.00 | $855.00 |
| 539-819R | LINEAR SCALE,AT715,48",1200MM,ABSOLUTE | $1,007.00 | $956.00 |
| 539-820N | LINEAR SCALE,AT715,52",1300MM,ABSOLUTE | $1,091.00 | $1,036.00 |
| 539-821N | LINEAR SCALE,AT715,56",1400MM,ABSOLUTE | $995.00 | $945.00 |
| 539-822N | LINEAR SCALE,AT715,60",1500MM,ABSOLUTE | $1,362.00 | $1,293.00 |
| 539-823N | LINEAR SCALE,AT715,64",1600MM,ABSOLUTE | $1,483.00 | $1,408.00 |

Other packages and kits are available for mills, lathes, grinders and custom machines and applications. Contact your local distributor for details.




## Accessory: 5% Off

| Package Order No. | Description | List | Promo |
|---|---|---|---|
| 53AAA375 | COUNTER TRAY,KA | $43.00 | $41.00 |
| 64AAB191 | BRACKET KIT FOR LATHE | $419.00 | $398.00 |
| 64AAB196 | BRACKET KIT, UNIVERSAL FOR SCALE-Y | $383.00 | $364.00 |
| 64AAB199 | SCREW KIT | $97.00 | $92.00 |
| 64AAB200 | MACHINE ARM KIT FOR KA COUNTER | $325.00 | $309.00 |

## Counter: 5% Off

| Package Order No. | Description | List | Promo |
|---|---|---|---|
| 174-183A | KA COUNTER, 2-AXIS | $903.00 | $858.00 |
| 174-185A | KA COUNTER, 3-AXIS | $1,328.00 | $1,262.00 |

Effective September 21 through December 18

## Digimatic Quill Kit

Easy Installation, Fits Most Vertical Knee Mills

- Easy-to-read LCD with resolution of .0005"/0.01mm. 0-6" travel.
- Push-button controls for inch/mm, Zero-Set and On/Off.
- Powered by a single SR-44 Battery which lasts about 1 year with normal use.
- SPC Output for data transmission to data processors or a remote display.
- ABS encoder.

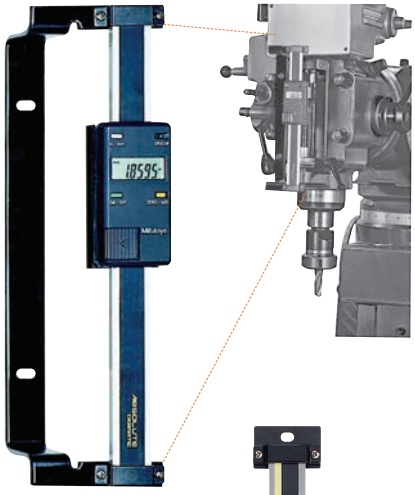
| Order No. | Description | List | Promo |
|---|---|---|---|
| 053906B | Digimatic Quill Kit Complete with Brackets & Scale for Bridgeport Type Machines | $649.00 | $617.00 |

SPC

ABSOLUTE™

MeasurLink® ENABLED

Data Management Software by Mitutoyo



## ABSOLUTE Digimatic Scale Units

- The Origin key allows setting of an ABSOLUTE zero point to be used as reference in subsequent measurements. Once set, the ABS Digimatic Scale Unit is ready to show its true position whenever turned on, rather than 0.00" as with standard models.
- The Zero/ABS key allows the display to be zero-set at any slider position along the beam for incremental comparison measurements. This key will also allow return to the ABSOLUTE coordinate with a display of the true position from the origin point.
- No rack, no pinion, no glass scale. Digimatic scale unit is safely embedded in the hardened stainless steel blade.
- Horizontal or vertical face according to the scale mounting direction.
- Multi-function types with diameter displaying function are also available for lathes. (Contact Mitutoyo.)
- All units come with two mounting brackets, each located at either end of the scale.
- With SPC data output.

SPC

ABSOLUTE™

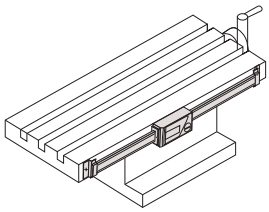
| Order No. | Model | Range | Accuracy | Resolution | Type | List | Promo |
|---|---|---|---|---|---|---|---|
| 572-210-30 | SD-4"DX | 0-4" / 0-100mm | .001" / 0.03mm | .0005" / 0.01mm | Horizontal Single-function | $491.00 | $442.00 |
| 572-211-30 | SD-6"DX | 0-6" / 0-150mm | .001" / 0.03mm | .0005" / 0.01mm | Horizontal Single-function | $520.00 | $468.00 |
| 572-212-30 | SD-8"DX | 0-8" / 0-200mm | .001" / 0.03mm | .0005" / 0.01mm | Horizontal Single-function | $606.00 | $545.00 |
| 572-213-10 | SD-12"D | 0-12" / 0-300mm | .002" / 0.04mm | .0005" / 0.01mm | Horizontal Single-function | $1,170.00 | $1,053.00 |
| 572-310-10 | SDV-6"D | 0-4" / 0-100mm | .001" / 0.03mm | .0005" / 0.01mm | Vertical Single-function | $544.00 | $490.00 |
| 572-311-10 | SDV-6"D | 0-6" / 0-150mm | .001" / 0.03mm | .0005" / 0.01mm | Vertical Single-function | $576.00 | $518.00 |
| 572-312-10 | SDV-8"D | 0-8" / 0-200mm | .001" / 0.03mm | .0005" / 0.01mm | Vertical Single-function | $670.00 | $603.00 |
| 572-313-10 | SDV-12"D | 0-12" / 0-300mm | .002" / 0.04mm | .0005" / 0.01mm | Vertical Single-function | $1,289.00 | $1,160.00 |

MeasurLink® ENABLED

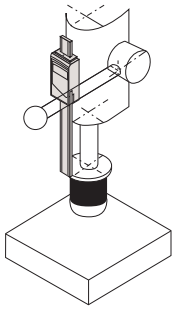
Data Management Software by Mitutoyo

### Applications

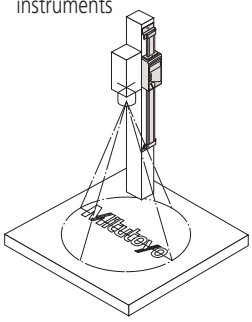
Machine table position



Drilling machine stroke position

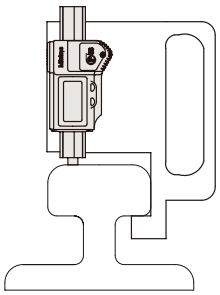


Focus setting on optical instruments

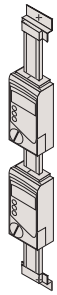


### Special Applications

As a measurement jig for outdoor use (SD-G)



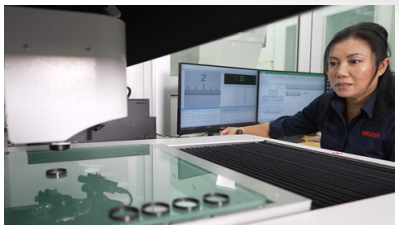
Detector head mechanism



Whatever your challenges are, Mitutoyo Canada supports you from start to finish. Mitutoyo is not only a manufacturer of top-quality measuring products but one that also offers quality support and services that last throughout your products' lifetime. Apart from the basics of calibration and repair, we offer product & metrology training, software support, as well as contract inspection and programming services.

## The Mitutoyo Advantage includes:

- Consistently high-quality products, software, solutions, and accessories
- Industry-leading local Service & Support with FAST turnaround times
- Accredited Calibration, Performed at Your Facility for Your Small Tools
- Decreased wait time with the Expedited Services and the Calibrated Tools program using our in-house Repair & Calibration Departments
- Easy access to our Contract Inspection and Programming Services as well as our Custom Solution team



Effective September 21 through December 18

## The Mitutoyo Advantage Opens Its Doors to You!

- ISO/IEC 17025:2017 Accredited Calibration Lab
- 48,000 sq ft facility in Mississauga Ontario with parts warehouse, Calibration Lab, and Repair Shop
- Canada-wide factory-trained metrology service technicians skilled in troubleshooting multiple product lines
- Access to global resources - Parts, Troubleshooting support, Technical data
- Unbeatable response time
- Complete system backup - ability to quickly restore machine parameters without the need to recalibrate
- Ability to read/write controller parameters (Ex. Custom configuration for automation)
- Access to error logs
- Offers not only verification services, but also a full system calibration
- Machine mapping available - Mitutoyo equipment (CMM's, Vision, Form products, and etc.) are not intended to be physically adjusted to correct error
- Mitutoyo Canada uses proprietary software to adjust your machine back to manufacturer specifications

READ THE FULL
**MITUTOYO ADVANTAGE**

www.mitutoyo.ca

# ALWAYS THERE. ALWAYS READY.

## YOUR DEDICATED SUCCESS TEAM

- PART PROGRAMMING
- CONTRACT INSPECTION
- TRAINING
- INSTALLATION
- MAINTENANCE & REPAIR
- CALIBRATION
- CUSTOM SOLUTIONS

## Courses Offered By The Mitutoyo Institute of Metrology

### Online Courses:

*Scan the QR Code to learn more about the training we have to offer*

### EDU-G415 GD&T Fundamentals:

Introduction to GD&T procedures deal for entry level or those looking to sharpen their skills

### EDUB-201 Learning Package:

**EDU-K205:** Foundations of Dimensional Calibration,
**EDU-K210:** Calibration of Calipers, &
**EDU-K220:** Calibration of Outside Micrometers

**Mississauga ON**
2121 Meadowvale Blvd.,
Mississauga, ON L5N 5N1
Tel. (905) 821-1261

**Montréal QC**
5539 Ernest-Cormier Street,
Unit B, Laval, Province of
Quebec, H7C 2S9

**Total Number of Employees:** Approximately 100

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Mitutoyo

Mitutoyo Canada | Precision is our Profession

**EXPERIENCE MIUTOYO M3 SOLUTION CENTERS**

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