

Fall Promo 2013

Precision Tools & Instruments

Prices effective September 9- December 20, 2013



www.mitutoyo.com





Dear Valued Customers,

Our 50th Anniversary celebration is in full swing at Mitutoyo America Corporation with special promotions, historic events, and other memorable activities occurring throughout the year.

The commencement of the Precision Tools and Instruments Fall Promotion has now launched and will run from September 9, 2013 to December 20, 2013.



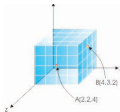










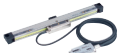













It is important for us to take this opportunity to personally thank the companies and individuals for their continual support and commitment over the past half century and look forward to working with everyone in the next fifty years.

Please check our website at www.mitutoyo.com to watch for other exciting news happenings at Mitutoyo during our year of celebration.

Sincerely,

Shigeyuki Sasaki
President, Mitutoyo America Corporation

INNOVATION & LONGEVITY

- 1934**  Mitutoyo Japan opens
- 1963**  Mitutoyo America Corporation opens (formerly known as MTI Corporation)
- 1976**  First Mitutoyo CMM sold in US
- 1980**  Los Angeles, CA and Dallas, TX offices opened
- 1982**  Plymouth, MI office open
- 1983**  Commenced production of Digimatic calipers "CD Series" First Digimatic tool sold in the US
- 1984**  Boston, MA office opened
- 1988**  Aurora office opened
- 1989**  Calibration Lab opens in Elk Grove Village, IL
- 1992**  Corporate Headquarters moved to Aurora, IL
- 1994**  Charlotte, NC office opened
- 1994**  Calibration Labs acquire ISO9002 Registration
- 2000**  Introduced Digital Caliper with built-in ABSOLUTE scale
- 2001**  Introduced ABSOLUTE Coolant Proof Linear Scale
- 2002**  Mitutoyo opens ISO 17025 Accredited Calibration Lab
- 2003**  World's first CNC Form measuring instrument
- 2003**  Mason, OH office opened
- 2004**  MACH-V In-Line CMM
- 2005**  Large CNC CMM C1600/2000 machines released
- 2005**  Nanocord Umap (minute Form measuring)
- 2007**  QuantuMike micrometer
- 2011**  High-Accuracy Sub-micron Digimatic Micrometer
- 2012**  70th Anniversary of gage block manufacturing
- 2012**  Birmingham, AL M3 Center opened
- 2013**  Seattle, WA M3 Center opens
- 2013**  Celebrating 50 years serving US
- 2014**  80th Anniversary of Mitutoyo Japan

Micrometers



QuantuMike Micrometers



FEATURES

- Faster measurement with 2mm travel per revolution instead of the standard 0.5mm
- A patented ratchet thimble mechanism helps ensure repeatability
- A Function lock helps prevent error
- IP-65 protection level
- Certificate of inspection is provided

Order No.	Range	Resolution	List Price	Sale Price
Non-Output Style				
293-185	0-1"/0-25mm	.00005/0.001mm	\$220.00	\$209.00
293-186	1-2"/25-50mm	.00005/0.001mm	\$252.00	\$239.50
293-187	2-3"/50-75mm	.00005/0.001mm	\$302.00	\$287.00
293-188	3-4"/75-100mm	.00005/0.001mm	\$363.00	\$345.00
With SPC Output				
293-180	0-1"/0-25mm	.00005/0.001mm	\$256.00	\$243.50
293-181	1-2"/20-55mm	.00005/0.001mm	\$293.00	\$278.50
293-182	2-3"/50-75mm	.00005/0.001mm	\$349.00	\$331.50
293-183	3-4"/75-100mm	.00005/0.001mm	\$376.00	\$357.00
SPC Cables				
05CZA662	40" IP65 Mic Cable		\$81.75	\$73.60
05CZA663	80" IP65 Mic Cable		\$90.15	\$81.15

MDH Micrometer High-Accuracy Sub-Micron Digimatic Micrometer



FEATURES

- Enabling .000005"/0.1µm resolution measurement, this micrometer is ideal for customers who need to make highly accurate measurements with a hand-held tool
- The ABS (absolute) rotary sensor also eliminates the need to perform origin setting each time the power is turned on, letting you start measuring straight away. With no possibility of overspeed errors, the High-Accuracy Digimatic Micrometer also delivers a higher level of reliability.

Order No.	Range	Resolution	Accuracy	List Price	Sale Price
293-100	0 - 25mm	0.0001mm/ 0.0005mm (switchable)	±0.5µm	\$1,590.00	\$1,510.00
293-130	0 - 1"/ 0 - 25.4mm	.000005"/.00002" 0.0001mm/0.0005mm (switchable)	±.00002"	\$1,590.00	\$1,510.00
SPC Cables					
05CZA662	40" IP65 Mic Cable			\$81.75	\$73.60
05CZA663	80" IP65 Mic Cable			\$90.15	\$81.15

Coolant Proof Micrometers

FEATURES

- IP65 coolant proof protection
- Two measuring modes, ABS and INC
- Functions available: Origin setting, Inch/mm selection, Zero-setting
- Carbide-tipped measuring faces



Measurement data output function is available with a water-resistant connection cable.



Order No.	Range	Resolution	Remarks	List Price	Sale Price
Non-Output Style					
293-244	0-25mm	0.001mm	Ratchet Thimble	\$209.00	\$194.50
293-344	0-1"/0-25.4mm	.00005"/0.001mm	Ratchet Thimble	\$173.00	\$164.50
With SPC Output					
293-334	0-1"/0-25.4mm	.00005"/0.001mm	Ratchet Thimble	\$249.00	\$231.50
293-347	3-4"/76.2-101.6mm	.00005"/0.001mm	Ratchet Thimble	\$333.00	\$310.00
SPC Cables					
05CZA662	40" IP65 Mic Cable			\$81.75	\$73.60
05CZA663	80" IP65 Mic Cable			\$90.15	\$81.15



Digimatic Point Micrometers



Pointed spindle and anvil for measuring the web thickness of drills, small grooves and other hard to reach dimensions.

FEATURES

- Pointed spindle and anvil for measuring the web thickness of drills, small grooves, keyways and other hard-to-reach dimensions
- 15 degree and 30 degree carbide measuring points are available
- With ratchet stop for constant force
- Supplied in fitted plastic case

Order No.	Range	Resolution	Remarks	List Price	Sale Price
With SPC Output					
342-351	0-1"/0-25mm	.00005"/0.001mm	15° Carbide Point	\$451.00	\$419.50
342-361	0-1"/0-25mm	.00005"/0.001mm	30° Carbide Point	\$440.00	\$409.00
SPC Cables					
05CZA662		40" IP65 Mic Cable		\$81.75	\$73.60
05CZA663		80" IP65 Mic Cable		\$90.15	\$81.15

Digimatic Sheet Metal Micrometer

FEATURES

- Measures thickness of sheet metal, paper, plastic and rubber parts
- Functions available: Origin setting, Inch/mm selection, Zero-setting, Data Hold, Error alarm, Auto-sleep, Data output
- Carbide-tipped measuring faces



Order No.	Range	Resolution	Remarks	List Price	Sale Price
With SPC Output					
389-361	0-1"/0-25mm	.00005"/0.001mm	Spherical Anvil/Flat Spindle	\$490.00	\$456.00
389-371	0-1"/0-25mm	.00005"/0.001mm	Spherical Anvil & Spindle	\$586.00	\$545.00
389-351	0-1"/0-25mm	.00005"/0.001mm	Ratchet	\$467.00	\$434.50
SPC Cables					
05CZA662		40" IP65 Mic Cable		\$81.75	\$73.60
05CZA663		80" IP65 Mic Cable		\$90.15	\$81.15

Spherical Face Micrometers



Spherical anvil and spherical anvil/spindle mics are used to measure the thickness of curved parts such as rod or crank bearings.

FEATURES

- Carbide tipped measuring faces
- With Ratchet Stop for constant force
- Supplied in fitted plastic case

Order No.	Range	Resolution	Remarks	List Price	Sale Price
With SPC Output					
395-351	0-1"/0-25mm	.00005"/0.001mm	Spherical Anvil	\$387.00	\$360.00
395-371	0-1"/0-25mm	.00005"/0.001mm	Spherical Anvil/Spindle	\$400.00	\$372.00
SPC Cables					
05CZA662		40" IP65 Mic Cable		\$81.75	\$73.60
05CZA663		80" IP65 Mic Cable		\$90.15	\$81.15



Ratchet Thimble Micrometers

FEATURES

- Improved repeatability for both “expert” and novice users
- Constant force device allows easy one-handed operation
- Clearly audible ratchet
- Certificate of Inspection provided

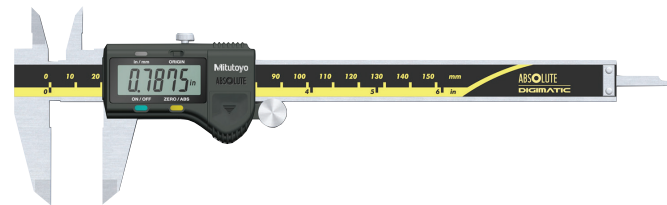


Order No.	Range	Graduation	List Price	Sale Price
101-717	0-1”	.0001”	\$131.00	\$118.00

Digimatic Calipers with Absolute Encoder

FEATURES

- The ZERO/ABS key allows the display to be Zero-Set at any slider position along the scale for incremental comparison measurements. This switch will also allow return to the absolute (ABS) coordinate and display of the true position from the origin point (usually jaws-closed point).
- Carbide-tipped jaw type calipers are also available
- Thumb roller included only on calipers up to and including 12” or 300mm



Order No.	Range	Remarks	List Price	Sale Price
Non-Output Style				
500-195-20	0-4”/100mm	.75” round depth rod	\$144.00	\$137.00
500-196-20	0-6”/150mm		\$156.00	\$148.00
500-197-20	0-8”/200mm		\$224.00	\$213.00
With SPC Output				
500-170-20	0-4”/100mm		\$172.00	\$160.00
500-171-20	0-6”/0-150mm		\$183.00	\$171.00
SPC Cables				
959149		40” Caliper Cable	\$49.25	\$44.30
959150		80” Caliper Cable	\$55.20	\$49.70

Carbon Fiber Digimatic Calipers



Order No.	Range	List Price	Sale Price
552-312-10	18”/450mm	\$924.00	\$878.00
552-313-10	24”/600mm	\$1,030.00	\$980.00
552-314-10	40”/1000mm	\$1,840.00	\$1,750.00
552-315-10	60”/1500mm	\$2,200.00	\$2,090.00
552-316-10	80”/2000mm	\$3,450.00	\$3,280.00
SPC Cables			
05CZA624	40” IP Caliper Cable	\$91.60	\$82.45
05CZA625	80” IP Caliper Cable	\$93.00	\$83.70

FEATURES

- Lightweight Digimatic Calipers that employ CFRP (Carbon Fiber Reinforced Plastics) in the beam and jaws
- Highly durable and easy to handle
- The range of applications can be expanded by using the optional attachments
- 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
- Supplied in fitted wooden case
- .0005”/0.01mm Resolution



Solar Powered Calipers

FEATURES

- Eliminate your trips to the crib for batteries with Mitutoyo's Solar powered coolant proof calipers
- It's sealed housing is IP-67 rated, meaning it's immune to the coolants, dirt, grit and chips found in many manufacturing environments
- .0005"/0.01mm resolution with ± 0.01 " accuracy for 6" models and 8" models
- Certificate of inspection provided



IP67 **ABSOLUTE™**
Absolute System Patented by MITUTOYO

Order No.	Range	List Price	Sale Price
Non-Output Style			
500-784	0-6"/0-150mm	\$229.00	\$217.50
500-785	0-8"/0-200mm	\$299.00	\$284.00
With SPC Output			
500-786	0-6"/0-150mm	\$260.00	\$247.00
500-787	0-8"/0-200mm	\$322.00	\$306.00
SPC Cables			
05CZA624	40" IP Caliper Cable	\$91.60	\$82.45
05CZA625	80" IP Caliper Cable	\$93.00	\$83.70

Absolute Coolant Proof Calipers



FEATURES

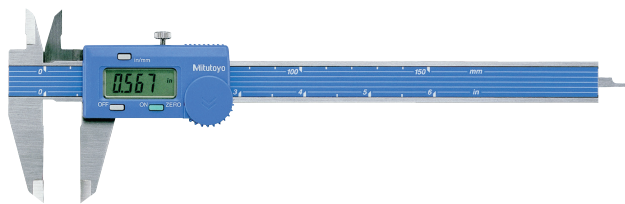
- It's sealed housing is IP-67 rated, meaning it's immune to the coolants, dirt, grit and chips found in many manufacturing environments
- .0005"/0.01mm resolution with ± 0.01 " accuracy for 6" models and 8" models
- Certificate of inspection provided (6"/8" models)

Order No.	Range	List Price	Sale Price
Non-Output Style			
500-753-10	0-8"/0-200mm	\$273.00	\$254.00
500-754-10	0-12"/0-300mm	\$472.00	\$439.00

MyCAL Lite

FEATURES

- Economically priced
- Large LCD digits
- .001"/0.1mm resolution
- Accuracy: ± 0.05 "



Order No.	Range	List Price	Sale Price
700-113-10	0-6"/0-150mm	\$113.00	\$90.00
700-123-10	0-8"/0-200mm	\$174.00	\$139.00

Mitutoyo Caliper Production

Mitutoyo's high quality calipers are designed and built in our Utsunomiya, Japan factory. These tools begin as specially developed stainless steel sheets, which are then laser cut to the general shape seen in the finished part. The frames and sliders, once laser cut, are machined to final size permitting assembly in our highly automated production facility. Once completed, each caliper is thoroughly inspected and tested to ensure the high precision and quality a Mitutoyo customer deserves. Each caliper is packaged with its own unique certificate of inspection as further proof of its quality.





Digimatic Height Gages

Now with two resolutions and two value preset memory and increased character height for easier viewing.

The Heavy Duty Style has a built in touch probe port for the optional touch probe listed below.

FEATURES

- Zero/ABS setting (ABS and INC modes)
- 2 Value Preset Memory
- Data hold/data output
- \pm Counting
- Inch/mm conversion



Order No.	Range	Resolution	Accuracy	List Price	Sale Price
Standard Style with SPC Output					
193-630-10	0-12"/0-300mm	.0005"(0.01mm)	\pm .001"	\$1,500.00	\$1,395.00
192-631-10	0-18"/0-450mm	.002"(0.005mm)	\pm .002"	\$2,060.00	\$1,916.00
192-632-10	0-24"/0-600mm	Switchable	\pm .002"	\$2,620.00	\$2,437.00
SPC Cables					
905338	40" Cable for Indicators			\$39.05	\$35.15
905409	80" Cable for Indicators			\$46.55	\$41.90

Depth Micrometers

FEATURES

- Interchangeable rods, with lapped measuring end, provide a wide measuring range
- The rod length can be interchanged in 1" increments
- With ratchet stop for constant force
- With measuring rod clamp
- With SPC output (Series 329)
- Supplied in fitted plastic case



329-350-10

Order No.	Range	Resolution	Remarks	List Price	Sale Price
Digimatic Style					
329-350-10	0-6"/0-150mm	.00005"/0.001mm	4" Base	\$576.00	\$547.00
329-351-10	0-12"/0-300mm	.00005"/0.001mm	4" Base	\$708.00	\$673.00
SPC Cables					
05CZA662	40" IP65 Mic Cable			\$81.75	\$73.60
05CZA663	80" IP65 Mic Cable			\$90.15	\$81.15



Solar IDS Digimatic Indicators

FEATURES

- Measurement tool with a solar power source. Ready for use from 40 lux illumination
- Mitutoyo's unique ABS (Absolute) sensor automatically restores the last origin position when the indicator is turned on
- A super capacitor maintains a reserve of approximately 3.5 hours under low light conditions.
- Origin-set, +/- direction and inch/mm
- Resolution: .0005"/0.01mm or .00005"/0.001mm
- Measuring range: .5"/12.7mm
- Stem diameter: 3/8" or 8mm available
- SPC output provided

ABSOLUTE™
Absolute System Patented by MITUTOYO



Order No.	Range	Remark	List Price	Sale Price
.0005"/0.01mm Resolution				
543-507	.500"/12.7mm	Lug Back	\$190.00	\$177.00
543-507B	.500"/12.7mm	Flat Back	\$190.00	\$177.00
.00005"/.0001" Resolution				
543-502	.500"/12.7mm	Lug Back	\$296.00	\$275.00
543-502B	.500"/12.7mm	Flat Back	\$296.00	\$275.00
SPC Cables				
905338	40" Cable for Indicators		\$39.05	\$35.15
905409	80" Cable for Indicators		\$46.55	\$41.90

Lifting Lever



Lifting Knob



Lifting Cable



Optional accessories

- Lifting lever (mm) :No. 21EZA198
- Lifting lever (inch) :No. 21EZA199
- Lifting cable :No. 540774
- Lifting knob (mm) :No. 21EZA105
- Lifting knob (inch) :No. 21EZA150



ID-U Digimatic Indicator

FEATURES

- Slim type digital indicator with low price.
- Large LCD and simple key operation
- After the initial origin setting, the ID-U no longer needs absolute positioning over the entire battery life; the origin is remembered even after power-off
- SPC data output
- 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
- Unlimited response speed eliminates over-speed errors.
- Flat back type only no option for backs

ABSOLUTE™
Absolute System Patented by MITUTOYO

Order No.	Range	Resolution	Accuracy	List Price	Sale Price
575-123	1"/25.4mm	.0005"/0.01mm	.0008"	\$190.00	\$177.00
SPC Cables					
905338	40" Cable for Indicators			\$39.05	\$35.15
905409	80" Cable for Indicators			\$46.55	\$41.90

IDF Indicators



543-558A



543-552A

ABSOLUTE™
Absolute System Patented by MITUTOYO

Order No.	Range	Resolution	List Price	Sale Price
543-552A	1"/25.4mm	.00005", .0001", .0005", .001", 0.001mm, 0.01mm	\$651.00	\$618.50
543-558A	2"/50.8mm	.00005", .0001", .0005", .001" /0.001mm, 0.01mm	\$754.00	\$716.50
SPC Cables				
905937	40" Cable for Indicators		\$46.65	\$42.00
905014	80" Cable for Indicators		\$54.50	\$49.00



IDS Digimatic Indicators with Absolute Encoder

FUNCTIONS:

- Origin-set Zeroset, \pm Counting, Power ON/OFF Data output, inch/mm conversion

Order No.	Resolution	Range	Remarks	Model	Accuracy	List Price	Sale Price
543-683	.0005"/0.01mm	.5" / 12.7mm	Lug Back	ID-S1012E	.0008"	\$173.00	\$160.00
SPC Cables							
905338		40" Cable for Indicators				\$39.05	\$35.15
905409		80" Cable for Indicators				\$46.55	\$41.99

IDC Digimatic Indicators

Order No.	Range	Remark	List Price	Sale Price
.0005"/0.01mm Resolution				
543-402	.500"/12.7mm	Lug Back	\$302.00	\$287.00
543-402B	.500"/12.7mm	Flat Back	\$302.00	\$287.00
543-406*	.500"/12.7mm	Lug Back	\$485.00	\$461.00
543-406B*	.500"/12.7mm	Flat Back	\$485.00	\$461.00
543-476B	1"/25mm	Flat Back	\$443.00	\$421.00
543-496B	2" / 50.8mm	Flat Back	\$696.00	\$661.00
.00005"/.0001"/.0005"/0.001mm/0.01mm Resolution				
543-392	.500"/12.7mm	Lug Back	\$414.00	\$394.00
543-392B	.500"/12.7mm	Flat Back	\$414.00	\$394.00
543-396*	.500" /12.7mm	Lug Back	\$647.00	\$615.00
543-396B*	.500" /12.7mm	Flat Back	\$647.00	\$615.00
543-472B	1"/25mm	Flat Back	\$554.00	\$526.00
543-492B	2"/50.8mm	Flat Back	\$582.00	\$553.00
SPC Cables				
905338	40" Cable for Indicators		\$39.05	\$35.15
905409	80" Cable for Indicators		\$46.55	\$41.90

* Low Measuring Force

FEATURES

- Absolute Encoder ensures all settings and readings maintained for the life of the battery (even when the power is turned off)
- Preset, Zero-Set, inch/mm, +/- direction, GO/ \pm NG functions and $f(x)=Ax$
- Face rotates 330° for use easier reading on gage fixtures
- Stem diameter: .375"
- Immune to overspeed error
- SPC output



Dial & Digimatic Indicators Production

At Mitutoyo, we know that not all gauges are created equal. That's why we take great pride in the quality, design, components and assembly of our precision dial and digimatic indicators.

In our factory located in Nakatsugawa, Japan, the quality of our gauges begins with strict control over the manufacture of the components used within the assembly. This control allows us to ensure we are delivering the top quality product that our customers require.

After assembly, each gauge is inspected in an automatic measuring station to ensure accuracy. Gauges are identified by bar code which allows the inspected data to be printed on certificates which are then matched for packing with the instrument.

These extra steps are your assurance that the gauge meets or exceeds our rigid standards of quality.

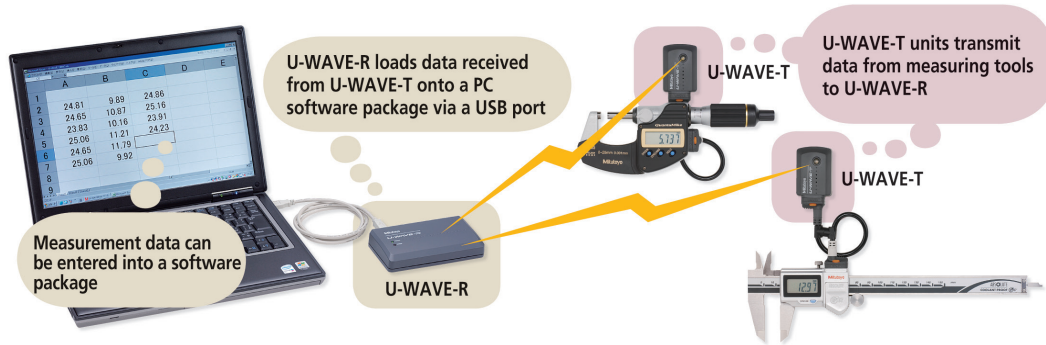


U-Wave Wireless SPC System



U-Wave Wireless System

The U-WAVE system enables easy wireless data communication from a measuring tool to a PC using the Digimatic protocol. Measurement efficiency is improved by eliminating long and cumbersome data cables. The user-friendly interface allows data to be loaded into any software product that accepts keyboard input, such as Excel or Notepad.



How to "Spec" a U-Wave System:

1. One U-Wave-R required per system (will support up to 100 U-Wave-T): Order No. 02AZD810D
2. One U-Wave-T required per tool: Order No. 02AZD730D
3. Select the required connecting cable (cable length approx. 6")
Use the convenient U-Wave Cable Selection Chart to convert your existing cable part number to the corresponding U-Wave cable order number

U-Wave-R

FEATURES

- Supports up to 100 U-Wave-T
- Comes complete with U-WavePak set-up/data input software.
- U-WavePak, standard with U-Wave-R features a keyboard interface function. This allows measurement data to be easily entered into in Excel, Notepad or other formats that accepts numeric value input via a keyboard.
- Supplied with USB connecting cable
- MeasurLink® V6.1 Real-Time PLUS supports the U-Wave System



U-Wave-T

FEATURES

- Is IP67 rated
- IP67 cables available for your Mitutoyo waterproof tools
- Battery life approx. 400,000 data transmissions
- Up to 60 feet transmission range Actual range depends on the local radio transmission characteristics



Order No	Description	Connecting Cable	List Price	Sale Price
02AZD810D	U-Wave-R		\$487.00	\$453.00
02AZD730D	U-Wave-T		\$215.00	\$204.00
02AZD790A	U-Wave Connecting Cable A	05CZA624 or 05CZA625	\$107.00	\$99.50
02AZD790B	U-Wave Connecting Cable B	05CZA662 or 05CZA663	\$107.00	\$99.50
02AZD790C	U-Wave Connecting Cable C	959149 or 959150	\$107.00	\$99.50
02AZD790D	U-Wave Connecting Cable D	936937 or 965014	\$107.00	\$99.50
02AZD790E	U-Wave Connecting Cable E	937387 or 965013	\$107.00	\$99.50
02AZD790F	U-Wave Connecting Cable F	905338 or 905409	\$107.00	\$99.50
02AZD790G	U-Wave Connecting Cable G	21EAA194 or 21EAA190	\$107.00	\$99.50



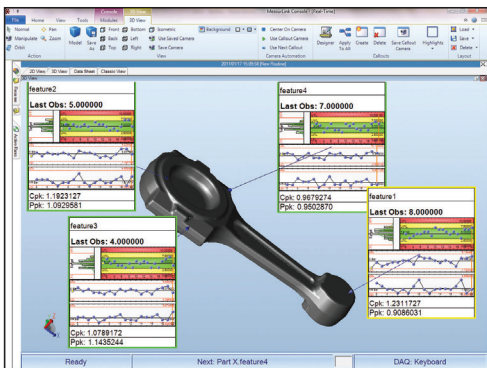


MeasurLink Real Time SPC Software

MeasurLink 7 Real-Time Standard Edition is designed for customers who want to acquire and analyze data in real-time and check variable and attribute inspection to maximize production and minimize defects. It has views to allow the user to create Parts, Characteristics with nominal and tolerance and Traceability lists. The data collection interface provides real-time graphics for Run charts, Control charts, Histograms and Statistics. Standard views include Datasheet (observations and charts), Classic View (chart windows), and the 2D view (part images with callouts that include charts and statistical data). Full reporting template functionality is also provided. Supported data sources include keyboard, RS232 and USB devices.

MeasurLink 7 Real-Time Professional Edition enables customers to connect and acquire data from Mitutoyo Coordinate Measuring Machines, Vision and Form Measuring Systems via native integration (DDE). ASCII and QMD (xml-based) file imports are also supported. In addition to all of the features supported by MeasurLink 7 Real-Time Standard Edition, this application also supports data filters. Full reporting functionality with templates is also provided. Supported data sources include keyboard, RS232C and USB devices, native Mitutoyo integration (DDE), ASCII and QMD (xml-based) file imports.

MeasurLink 7 Real-Time Professional 3D Edition is designed for customers who wish to collect data using the Hoops 3D graphics view. Hoops 3D files can be exported from most CAD systems and provides the operator with a real view of the part. Camera angle and position can be saved for each characteristic providing for an intuitive prompted guided sequencing for the inspector. Supported data sources include keyboard, RS232C and USB devices, native Mitutoyo integration (DDE), ASCII and QMD (xml-based) file imports.



Database Management System (DBMS) Requirements

MeasurLink 7 ships with a copy of Microsoft® SQL Server Express Edition 2008 R2, this can be for a standalone or a workgroup installation.

MeasurLink 7 also supports the following Microsoft SQL Server versions:

- Microsoft® SQL Server 2008 Standard Edition
- Microsoft® SQL Server 2008 Enterprise Edition
- Microsoft® SQL Server 2005 Workgroup Edition
- Microsoft® SQL Server 2005 Standard Edition

Operating System Requirements

All MeasurLink 7 products are supported on the following Microsoft® Windows Operating System versions:

- All Windows XP SP3 versions
- All Windows Vista SP2 versions
- All Windows 7 versions
- Both 32bit and 64bit operating systems supported

** Note: All product media will contain installers for both 32bit and 64bit systems

PC (OS Specific Hardware Requirements (Network))

Windows 7	<ul style="list-style-type: none"> • 1 gigahertz (GHz) or faster 32-bit (x86) or 64-bit (x64) processor • 2 gigabyte (GB) RAM (32-bit) • 16 GB available hard disk space (32-bit) or 20 GB (64-bit) • DirectX 9 graphics device with WDDM 1.0 or higher driver • DVD-ROM drive
Windows Vista SP2	<ul style="list-style-type: none"> • 1 gigahertz (GHz) 32-bit (x86) or 64-bit (x64) processor • 2 gigabyte (GB) of system memory • 40 GB hard drive with at least 15 GB of available space (20 GB for Home Basic) • Support for DirectX 9 graphics with WDDM and 128 MB of graphics memory • DVD-ROM drive
Windows XP SP3	<ul style="list-style-type: none"> • 1 gigahertz (GHz) 32-bit (x86) • 1 gigabyte (GB) of system memory • 40 GB hard drive with at least 15 GB of available space • DVD-ROM drive


Microsoft Partner
 Silver Independent Software Vendor (ISV)
 Silver Mobility
 Silver Desktop
 Silver Midmarket Solution Provider



Order No.	Description	List price	Sale Price
64AAB177	MEASURLINK V7.0 REAL-TIME STANDARD EDITION	\$1,195.00	\$1,080.00
64AAB178	MEASURLINK V7.0 REAL-TIME PROFESSIONAL EDITION	\$1,795.00	\$1,620.00
64AAB179	MEASURLINK V7.0 REAL-TIME PROFESSIONAL 3D EDITION	\$1,995.00	\$1,800.00



Linear Gage LGF



Order No	Range	Resolution	Accuracy*	Force**	Stem Dia	List Price	Sale Price
542-161	.4" (10mm)	0.001mm	(1.5+L/50)	1.2N/1.1N/1.0N	8mm	\$614.00	\$570.00
542-171	.4" (10mm)	0.0005mm	(1.5+L/50)	1.2N/1.1N/1.0N	8mm	\$614.00	\$570.00
542-162	1" (25mm)	0.001mm	(1.5+L/50)	4.6N/4.3N/4.0N	15mm	\$790.00	\$735.00
542-182	1" (25mm)	0.0001mm	(0.8+L/50)	4.6N/4.3N/4.0N	15mm	\$1,260.00	\$1,172.00
542-163	2" (50mm)	0.001mm	(1.5+L/50)	5.7N/5.3N/4.9N	15mm	\$955.00	\$890.00
542-173	2" (50mm)	0.0005mm	(1.5+L/50)	5.7N/5.3N/4.9N	15mm	\$955.00	\$890.00

EH Counter Multi-function Display Unit

FEATURES

- DIN compatible Panel-mounting type and DIN size (144 x 72mm). It can be easily incorporated into each system instrument
- This counter can be used on a desktop by mounting it on the supplied stand leg
- The standard RS-232C interface allows easy communication with an external PC
- The RS Link function permits multiple EH counters (6 units maximum) to be connected with daisy chain and data to be input/output from one channel of the terminal RS-232C interface
- The maximum value, minimum value, and TIR (runout) measurements are possible
- The 2-gage input type can perform 2-axis display and make addition or subtraction calculations between 2 gages



542-071A



542-075A

Model	EH-101P	EH-102P
Order No.	542-075A	542-071A
Applicable input	2.5MHz (Differential square-wave)	
Applicable gage	LGK, LGF with scale origin point mark, LGB, LGH (0.1um)	
Number of gage input	1 (Single-display)	2 (Double-display)
Resolution (Depending on the linear gage type connected)	.000005", .00005", .0005"/ 0.0001mm, 0.0005mm, 0.001mm, 0.005mm, 0.01mm	
Mass	760g	800g
Tolerance judgment display	LED display (3 step: Amber, Green, Red / 5 step: Amber, Amber flash, Green, Red flash, Red)	
List Price	\$951.00	\$1,160.00
Sale Price	\$885.00	\$1,079.00

Linear Gage LGK

FEATURES

- Compact design with a 8mm stem diameter
- Excellent protection against dust and water splash (IP-66) in harsh shop-floor environments
- Maximum permissible acceleration values for shock and impact, 11ms (IEC68-2-27)
- Output differential square wave signals for a wide range of applications.
- Employs linear stroke bearings on the spindle movement for durability
- Thrust Stem with a clamping nut is optional
- Interchangeable contact points for dial indicators can be used



Order No	Range	Resolution	Accuracy*	Force**	Stem Dia	List Price	Sale Price
542-156	.4" (10mm)	0.001mm	(1.5+L/50)µm	0.65N / 0.6N / 0.55N	8mm	\$835.00	\$777.00
542-157	.4" (10mm)	0.0005mm	(1.5+L/50)µm	0.65N / 0.6N / 0.55N	8mm	\$835.00	\$777.00
542-158	.4" (10mm)	0.0001mm	(0.8+L/50)µm	0.65N / 0.6N / 0.55N	8mm	\$1,290.00	\$1,200.00



UDT-2 Dial Gage Testers

FEATURES

- Consists of a specially designed 0-1" / 0-25mm micrometer head, with a large disc, and rigid holding fixtures
- Gage tester to calibrate measuring accuracy of dial indicators, dial test indicators and dial bore gages
- Clamping stem diameter—170-101-10: .25" and .375"
- With the optional stand (12AAK824), inspection of Dial Bore Gages is possible

Order No	Range	Resolution	Accuracy	List Price	Sale Price
170-101-10	0-1"	.0001"	±.0001"	\$2,200.00	\$2,090.00



Height Master

FEATURES

- Each Height Master is supplied with a gage block for zero-setting
- Supplied in fitted wooden case

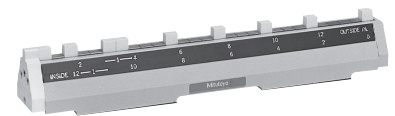


Order No	Range	Block Step	Graduation	Block Pitch Accuracy	Parallelism of Block	Micrometer Head Accuracy	List Price	Sale Price
515-310	.2" < H ≤ 12.2"	.5" (straight)	.00001"	±.00005"	.00004"	±.00005"	\$3,390.00	\$3,220.00

CERA Caliper Checker

FEATURES

- The CERA Caliper Checker is designed to inspect vernier, dial and Digimatic calipers. It is comprised of permanently wrung, high-grade CERA gage blocks in a protective casting
- The CERA Caliper Checker also stands perpendicular to a surface for height gage inspection
- The zirconia based ceramic CERA measuring blocks are corrosion resistant and dimensionally stable



Order No	Range	Remarks (Length to check)	List Price	Sale Price
515-565	0-12"	Outside measurement: 1", 2", 4", 6", 8", 10", 12" Inside measurement: 1", 2", 4", 6", 8", 10", 12"	\$4,410.00	\$3,970.00

Gage Block Production

Mitutoyo has been producing gage blocks for more than 70 years. Since the time when the Numata Research laboratory entered the market on a full-scale production basis, the production of Mitutoyo gage blocks now exceeds a total of 23 million pieces in 45 years, and they continue to be used all over the world. Advanced processing techniques have been cultivated by Mitutoyo over the years with its research and development advancing measurement technology and creating new products, such as new types of gage block, as well as leading-edge measuring equipment for gage block evaluation. With a reputation for innovation and reliability endorsed by history, and an extensive sales/service network stretching throughout the world, Mitutoyo continues to support manufacturing industries wherever they may be found.





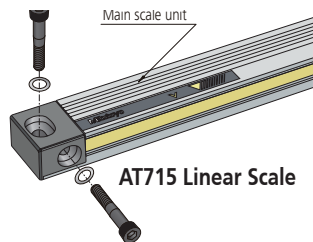
ABS-Absolute Digital Readout System

Mitutoyo's DRO package systems offer high performance at affordable prices. AT715 Series linear scales feature our patented ABSOLUTE encoder system. Set the origin once and the system always knows its position along the scale. No overspeed errors and no repeated zero-setting is necessary.

Choose from our packaged systems or contact your Mitutoyo representative or authorized distributor to build a custom package for your application.

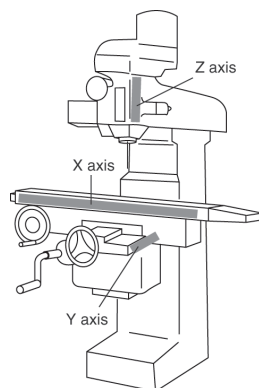
ALL DRO PACKAGES INCLUDE:

- 2-axis KA Counter
- KA Counter tray/arm kit
- AT715 ABSOLUTE Scales (2)
- Bracket kit
- Extension cable (for scales over 36")



AT715 Linear Scale

Two mounting directions of the main scale unit allows easy mounting on a machine tool with difficult mounting arrangements



KA COUNTER FEATURES

- Bolt Hole Circle Calculation
- Diameter Display and Tool Offsets (Parameter mode)
- Memory compensation value
- Selecting Coordinates 0 to 10
- Preset
- Zero Approach Machining
- Pitch Approach Machining
- 1/2 Calculation
- Inch/mm
- Standard Resolution: .001"/.0005"/.0002"/.0001"/.00005" (0.01mm/0.005mm/0.002mm/0.001mm); When connecting AT715 .002"/.0010"/.0005"/.0004"/.0002"/.0002" (0.020mm/0.010mm/0.004mm/0.002mm); When connecting AT715 Series (DIA.)



AT715 SCALE FEATURES

- Employs the ABSOLUTE® electromagnetic induction system* to achieve IP67 environmental resistance
- Detects and outputs an absolute position - no reference point setup needed at every power-on
- An abnormal calculation doesn't accumulate even if the calculation mistake is generated by electrical noise
- It is the most suitable scale to mount on the X-axis of a small lathe

ABS-AOS-DRO Mill Packages (2-Axis)

Order No	Description/Table Travel	List Price	Sale Price
64PKA058	Bridgeport Style 12 x 30"	\$1,490.00	\$1,415.00
64PKA059	Bridgeport Style 12 x 36"	\$1,490.00	\$1,415.00
64PKA059	Universal Style 16 x 36"	\$1,490.00	\$1,415.00
053906B	Quill Kit Vert. Knee Mill	\$306.00	\$275.50

Durometers (Digital and Analog)

Durometers are suitable for testing natural rubber, neoprene, polyesters, P.V.C., leather, Thiokol, nitril, wax, vinyl, cellulose acetates, glass, polystyrol and other materials.

Order No	Model	Scale	Display	Graduation	Range	Indenter	List Price	Sale Price
811-331	HH-331	Shore A	Analog	1.0	10~90	Blunt Taper	\$584.00	\$543.00
811-332	HH-332	Shore A	Digital	0.5	10~90	Blunt Taper	\$1,250.00	\$1,125.00
811-333	HH-333	Shore D	Analog	1.0	20~90	Sharp Point	\$584.00	\$543.00
811-334	HH-334	Shore D	Digital	0.5	20~90	Sharp Point	\$1,250.00	\$1,125.00
811-335	HH-335	Shore A	Analog	1.0	10~90	Blunt Taper	\$584.00	\$543.00
811-336	HH-336	Shore A	Digital	0.5	10~90	Blunt Taper	\$1,250.00	\$1,125.00
811-337	HH-337	Shore D	Analog	1.0	20~90	Sharp Point	\$584.00	\$543.00
811-338	HH-338	Shore D	Digital	0.5	20~90	Sharp Point	\$1,250.00	\$1,125.00
64AAA964	Test Block Set (Shore A Scale)						\$183.00	\$174.00
64AAA590	Test Block Set (Shore B Scale)						\$183.00	\$174.00



811-331
811-333

811-335
811-337



811-336
811-338

811-332
811-334



Mitutoyo Small Hole Gage Sets

FEATURES

- Used with an outside micrometer for measuring inside diameter of bores.
- 4 to 6 sizes of gages are supplied in a fitted pouch
- Extra long for gaging deep and shallow holes, slots, and similar workpieces.
- Gaging surface is fully hardened to insure long tool life.



Order No	Description	List Price	Sale Price
154-901	4 Pcs. Small Hole Gage Set, 1/8"-1/2"	\$109.00	\$98.00

Precision Levels

FEATURES

- High precision longitudinal and transverse vials make it possible to check or level surfaces



Order No	Sensitivity	Accuracy	Dimensions			List Price	Sale Price
			W	L	H		
960-611	.0012"/12"	±.0006"	7.87	1.73	1.50	\$432.00	\$389.00
960-612	.0006"/12"	±.0003"	7.87	1.73	1.50	\$491.00	\$442.00
960-613	.00024"/12"	±.00017"	7.87	1.73	1.50	\$537.00	\$483.00

Zero Setter



FEATURES

- Fast and sure establishment of "0" reference point with built-in indicator
- Spring loaded setting face to safe guard against damage from over run
- Body dia. 1.44" (36.5mm)
- Wooden case included

Order No	Height	Graduation	List Price	Sale Price
950-111	1"	.005"	\$351.00	\$333.50
950-112	25mm	0.01mm	\$351.00	\$333.50

Bench Center

FEATURES

- Used with a dial test indicator (optional), the Bench Center provides precision measurement of concentricity verification on cylindrical workpieces
- With an indicator clamp. (Holding stem diameter: 9.53mm / .375")



Order No	Center-to-Center	Workpiece Capacity Diameter	Max Weight Hold	List Price	Sale Price
967-201-10	11.8"/300mm	5.8"	35 lbs. (16kg)	\$1,280.00	\$1,152.00
967-203-10	5.9"/150mm	3.8"	17.5 lbs. (8kg)	\$709.00	\$673.50

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