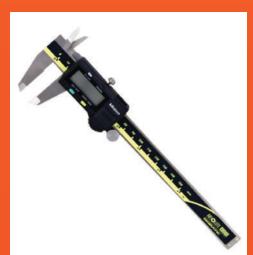
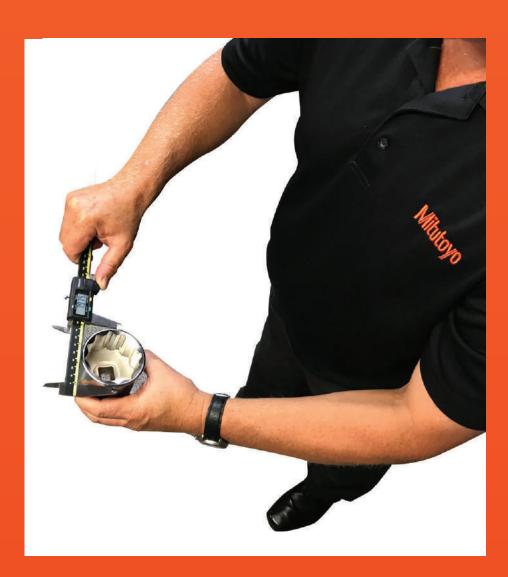


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Index

Micrometer High Accuracy	
Micrometer Metric	
Micrometer Inch	
Micrometer Sets	
Micrometer with Interchangeable Anvils	
Micrometer with Interchangeable Anvils (100mm)	5
Digit Micrometer	5
Disk Micrometer	5
Digit Disk Micrometer	6
Digimatic Disk Micrometer	6
Digimatic Micrometer	6
Digimatic Micrometer Coolant Proof	
Digimatic Micrometer Set	
Digimatic Micrometer with Interchangeable Anvils	
Digimatic Quantumikes	
Adjustable Force Micrometer	
Point Micrometer	
Digimatic Point Micrometer	
Tube Micrometer	
Digimatic Tube Micrometer	
Sheetmetal Micrometer	
Universal Micrometer	
Thread Micrometer	
Set of Interchangeable Anvils / Spindle Tips	
Paper Thickness Micrometer	
Can Seam Micrometer	
Micrometer Stand	
Vernier Caliper	
Vernier Caliper with Fine Adjustment	
Dial Caliper	
Large Caliper	
Long Jaw Caliper	
Digimatic Caliper	
Coolant Proof Digimatic Caliper	
Dial Gauges Series 1	
Back Plunger Dial Gauge	
Dial Gauges Series 2	
•	16
•	
Dial Test Indicators	
Dial Test Indicators Pocket Type	
Digimatic Indicators ID-C (Peak)	
Digimatic Indicators ID-C (Bore Gauge)	
Digimatic Indicators ID-C	
Digimatic Indicators ID-C (25mm)	
Digimatic Indicators ID-C (50mm)	
Digimatic Indicator ID-F	
· ·	19
•	19
Digimatic Indicator ID-B	
Digimatic Indicators ID-S	
Digimatic Indicator ID-U	
Magnetic Base Stands (Standard)	
Magnetic Base Stands (Flexible)	
Magnetic Base Stands (Mini)	
Magnetic Base Stands (One Lock)	
Gauge Stand	
Depth Micrometer	22

Depth Micrometer	2
Digital Depth Micrometer	23
Depth Gauge	24
Digimatic Depth Gauge	24
Digimatic Depth Gauge (Caliper Type)	24
Depth Gauge Base	2
nside Micrometer (Rod Type)	2
nside Micrometer	
nside Micrometer Caliper Type	26
Bore Gauge	26
Digimatic Bore Gauge	27
Thickness Gauge	27
Thickness Gauge (Deep Throat)	27
Digimatic Thickness Gauge	28
Digimatic Thickness Gauge (Tube Type)	28
Digimatic Thickness Gauge (High Accuracy)	
Digimatic Thickness Gauge (Deep Throat)	29
Quickmini Thickness Gauge	
Small Hole Gauge Set	
Telescopic Gauges	
Feeler Gauge Sets	
Radius Gauge Sets	
Thread Pitch Gauge Sets	3
Protractor	
Digital Protractor	3
Height Gauge	
Digimatic Height Gauge	
Digimatic Height Gauge	
Surftest	
Pocket Comparator	33
lluminator	
Pocket Magnifier	
Clear Loupe	
Digital Read Outs	
Linear Scales	35



Micrometer High Accuracy

- Measuring faces: Carbide
- Equipped with Ratchet Stop for constant measuring force



CODE	SIZE
102-70 102-71	0-25mm x 0.001mm 0-1" x .0001" Graduations

Micrometer Metric

- Baked enamel finished frame.
- Measuring faces: Carbide
- Equipped with Ratchet Stop for constant measuring force



CODE	SIZE
103-137	0-25mm x 0.01mm Graduations
103-138	25-50mm x 0.01mm Graduations
103-139-10	50-75mm x 0.01mm Graduations
103-140-10	75-100mm x 0.01mm Graduations
103-141-10	100-125mm x 0.01mm Graduations
103-142-10	125-150mm x 0.01mm Graduations
103-143-10	150-175mm x 0.01mm Graduations
103-144-10	175-200mm x 0.01mm Graduations
103-145-10	200-225mm x 0.01mm Graduations
103-146-10	225-250mm x 0.01mm Graduations
103-147-10	250-275mm x 0.01mm Graduations
103-148-10	275-300mm x 0.01mm Graduations

Micrometer Inch

- Baked enamel finished frame.
- Measuring faces: Carbide
- Equipped with Ratchet Stop for constant measuring force



CODE	SIZE	
103-177	0-1" x .001" Graduations	
103-178	1-2" x .001" Graduations	
103-179	2-3" x .001" Graduations	
103-180	3-4" x .001" Graduations	
103-181	4-5" x .001" Graduations	
103-182	5-6" x .001" Graduations	

Micrometer Sets

- Sets of individual micrometers.
- Box of measuring standards included.



CODE	SIZE	
103-904-10	0-6" x .001" (Set of 6)	
103-913-50	0-150mm (Set of 6)	
103-914-50	0-300mm (Set of 12)	
103-915-10	150 - 300mm (Set of 6)	

Micrometer with Interchangeable Anvils

- Measuring face of the spindle is carbide tipped (standard model).
- Equipped with Ratchet Stop for constant measuring force.
- Measuring standards included.



CODE	SIZE
104-135A	0 - 150mm x 0.01mm Interchangeable Anvils
104-136A	150 - 300mm x 0.01mm Interchangeable Anvils
104-137	0-6" x .001" Interchangeable Anvils
104-138	6-12" x .001" Interchangeable Anvils



Micrometer with Interchangeable Anvils (100mm)

- Measuring face of the spindle is carbide tipped (standard model).
- Equipped with Ratchet Stop for constant measuring force.
- . Measuring standards included.



CODE		SIZE
104-139A	4	0-100mm x 0.01mm Interchangeable Anvils
104-140A	4	100-200mm x 0.01mm Interchangeable Anvils
104-141A	4	200-300mm x 0.01mm Interchangeable Anvils
104-142A	4	300-400mm x 0.01mm Interchangeable Anvils
104-143A	4	400-500mm x 0.01mm Interchangeable Anvils
104-144A	4	500-600mm x 0.01mm Interchangeable Anvils
104-149		0-4" x .001" Interchangeable Anvils

Digit Micrometer

- Mechanical digit counter with 0.01mm resolution for quick and error-free reading.
- Measuring faces: Carbide
- Equipped with Ratchet Stop for constant measuring force.



CODE	SIZE	
193-101	0-25mm x 0.01mm	
193-102	25-50mm x 0.01mm	
193-111	0-25mm x 0.001mm	
193-112	25-50mm x 0.001mm	

Disk Micrometer

- Measuring the root tangent length of spur and helical gears.
- You can measure recessed features that are difficult to reach with a standard micrometer.



CODE	SIZE
123-101	0-25mm x 0.01mm x 20mm Disk
169-202	25-50mm x 0.01mm x 20mm Disk (Non Rotating Spindle)

Digit Disk Micrometer

- Mechanical Digit micrometer
- Ratchet stop for constant force
- Supplied with setting standard (except for 0-25mm/0-1"" models)



CODE	SIZE	
223-101	0-25mm x 20mm Disk	
223-102	25-50mm x 20mm Disk	

Digimatic Disk Micrometer

- Ratchet stop for constant force
- Supplied with setting standard (except for 0-25mm/0-1"" models)
- Always use SR44 Batteries (938882)



CODE	SIZE
323-350-30	0-1" / 25mm x 20mm Disk

Digimatic Micrometer

- Measuring faces: Carbide
- Constant-force device: ratchet stop
- Always use SR44 Batteries (938882)



CODE	SIZE
293-821-30	0-25mm x 0.001mm Basic Model
293-831-30	0-1" / 0-25mm x .00005"/0.001mm Basic Model



Digimatic Micrometer Coolant Proof

- Measuring faces: Carbide
- Constant-force device: ratchet stop
- Always use SR44 Batteries (938882)



CODE	SIZE
293-230-30	0-25mm x 0.001mm Coolant Proof with Data Output
293-231-30	25-50mm x 0.001mm Coolant Proof with Data Output
293-240-30	0-25mm x 0.001mm Coolant Proof without Data Output
293-241-30	25-50mm x 0.001mm Coolant Proof without Data Output
293-242-30	50-75mm x 0.001mm Coolant Proof without Data Output
293-243-30	75-100mm x 0.001mm Coolant Proof without Data Output
293-330-30	0-1" / 25mm Coolant Proof with Data Output
293-331-30	1-2" / 25-50mm Coolant Proof with Data Output
293-332-30	2-3" / 50-75mm Coolant Proof with Data Output
293-340-30	0-1" / 250mm Coolant Proof without Data Output
293-341-30	1-2" / 25-50mm Coolant Proof without Data Output
293-342-30	2-3" / 50-75mm Coolant Proof without Data Output
293-343-30	3-4" / 75-100mm Coolant Proof without Data Output

Digimatic Micrometer Set

- Measuring faces: Carbide
- Constant-force device: ratchet stop
- Set of 4 Digmatic Micrometers
- Always use SR44 Batteries



(CODE	SIZE
4	293-961-30	(Set of 4) 0-4"/100mm Coolant Proof with Data Output

Digimatic Micrometer with Interchangeable Anvils

- Inch / Metric reading
- Always use SR44 Batteries (938882)
- · Measuring standards included
- · Six anvils included



CODE	SIZE	
340-351-30	0 - 6" / 150mm	
340-352-30	6 - 12" / 150-300mm	

Digimatic Quantumikes

- Advanced pioneering technology has created the next generation of micrometer.
- Faster measurement is achieved by using a coarser thread which feeds the spindle by 2mm per revolution of the thimble. This increase in thread lead has been made possible thanks to new high precision thread-cutting and testing techniques.
- Always use SR44 Batteries (938882)



CODE	SIZE
293-140-30	0 - 25mm Coolant Proof with Data Output
293-145-30	0 - 25mm Coolant Proof without Data Output
293-146-30	25 - 50mm Coolant Proof without Data Output
293-180-30	0-1" / 25mm Coolant Proof with Data Output
293-181-30	1-2" / 25-50mm Coolant Proof with Data Output
293-185-30	0-1" / 25mm Coolant Proof without Data Output
293-186-30	1-2" / 25-50mm Coolant Proof without Data Output
293-188-30	3-4" / 75-100mm Coolant Proof without Data Output

Adjustable Force Micrometer

- · Ratchet mechanism in the thimble applies constant force to workpiece
- Compact and easy to handle
- Measuring force is adjustable (in steps) to suit various kinds of workpieces
- High accuracy measurement can be performed even by unskilled operators due to the repeatability of the automatically applied measuring force
- Always use SR44 Batteries (938882)



CODE	SIZE
227-211-20	0-15mm/.6" Adjustable Measuring Force Type



Point Micrometer

- Pointed spindle and anvil for measuring the web thickness of drills, small grooves, keyways, and other hard-to-reach dimensions.
- · All Mitutoyo micrometers are made from the highest quality material.
- All micrometers are fitted with either ratchet or friction thimbles for constant force measuring.
- Best possible repeatability is achieved from Mitutoyo Micrometers.



CODE		SIZE

112-213

0-25mm x 0.01mm 30 Degree points

Digimatic Point Micrometer

- Pointed spindle and anvil for measuring the web thickness of drills, small grooves, keyways and other hard to reach dimensions.
- The measuring points are carbide tipped with a 0.3mm radius
- IP65 protection rated
- Equipped with a Ratchet Stop for constant measuring force
- Always use SR44 Batteries (938882)



CODE	SIZE

342-361-30

0-1"/25mm x 0.01mm 30 Deg points

Tube Micrometer

- \bullet All Mitutoyo micrometers are made from the highest quality material.
- All micrometers are fitted with either ratchet or friction thimbles for constant force measuring.
- Best possible repeatability is achieved from Mitutoyo Micrometers.



CODE	SIZE
445 445	O OF some or O Od some (Only a size of /Flat Association)
115-115	0-25mm x 0.01mm (Spherical/Flat Anvils)
115-215	0-25mm x 0.01mm (Spherical Anvils)
115-253	0-1" x .001" (Spherical Anvils)

Digimatic Tube Micrometer

- IP65 water/dust protection
- . Designed to measure the wall thickness of various tubing.
- With Rachet Stop for constant force.
- With SPC output.
- With a standard bar except 0-25mm and 0-1in model.
- · Supplied in fitted case.
- Always use SR44 Batteries (938882)



CODE	SIZE	
395-371-30	0-1"/ 25mm (Spherical Anvils)	

Sheetmetal Micrometer

- Spherical Anvil & Spindle Measuring Faces.
- Ideal for measuring tube wall thickness.



CODE	SIZE
118-101	0-25mm x 0.01mm x 100mm Throat (Flat Anvils)
118-103	0-25mm x 0.01mm x 300mm Throat (Flat Anvils)
118-118	0-25mm x 0.01mm x 150mm Throat (Spherical Anvils)

Universal Micrometer

- Measures tubing thickness, shoulder-edge distance, rivet head height, etc., interchangeable anvils (flat anvil, rod anvil, V-anvil).
- Equipped with Ratchet Stop for constant measuring force.



	CODE	SIZE
-	117-101	0 - 25mm x 0.01mm Graduations

Thread Micrometer

- All Mitutoyo micrometers are made from the highest quality material.
- All micrometers are fitted with either ratchet or friction thimbles for constant force measuring.
- Best possible repeatability is achieved from Mitutoyo Micrometers.



CODE	SIZE
126-125	0-25mm x 0.01mm Graduations
126-126	25-50mm x 0.01mm Graduations

Set of Interchangeable Anvils / Spindle Tips

• Interchangeable Anvil and Tip sets (60 Deg) to suit Series 126 and 326 Screw Thread Micrometers



CODE	SIZE	
126-800	0.4mm-7mm P / 64-3.5 TPI	

Paper Thickness Micrometer

- Used for measuring the thickness of paper
- Has a non rotating spindle so no distortion of paper
- Equipped with a ratchet stop for constant measuring force (8.02N \pm 0.8N)



CODE	SIZE
169-101	0-25mm x 0.01mm Graduations

Can Seam Micrometer

• Measures the width, height and depth of steel can seams



CODE	SIZE	
147-103	0-13mm (Steel)	
147-105	0-13mm (Aluminium)	

Micrometer Stand

 Designed to allow benchtop use of hand micrometers or other gages which have frames suitable for gripping by the clamp.



СО	DE	SIZE
156	-101-10	0-4 / 100mm

Vernier Caliper

- · Plain and basic design.
- Stepped graduation face prevents dust ingress between the main scale and slider.
- The small vernier face angle (14°) provides easy reading.
- Can measure outside and inside dimensions, depth, and steps.
- Decimal and fractional graduated scales (metric/inch and inch models only).



CODE	SIZE
530-100	0 - 100mm x 0.05mm Graduations
530-104	6" / 150mm x 1/128"/0.05mm Graduations
530-114	8" / 200mm x 1/128"/0.05mm Graduations
530-115	12" / 300mm x 1/128"/0.05mm Graduations
530-312	6" / 150mm x .001"/0.02mm Graduations
530-118	8" / 200mm x .001"/0.02mm Graduations
530-119	12" / 300mm x .001"/ 0.02mm Graduations

Vernier Caliper with Fine Adjustment

- Vernier Caliper
- Internal and external measurement



CODE	SIZE	
532-119	5" / 130mm with Fine Adjustment	
532-120	7" / 180mm with Fine Adjustment	
532-121	11" / 230mm with Fine Adjustment	

Dial Caliper

- Newly designed dial movement for ultra-smooth sliding and high shock protection.
- Titanium coating is applied to the sliding surfaces to enhance the durability (except for 0 300mm and 0 12" model).
- Large finger-rest aids ease-of-use.
- Jaw tips are relieved for easy measurement of thin parts.
- Can measure outside, inside, depth and steps.



CODE	SIZE	
505-730	150mm x 0.02mm Graduations	
505-731	200mm x 0.02mm Graduations	
505-732	150mm x 0.01mm Graduations	
505-733	200mm x 0.01mm Graduations	
505-745	300mm x 0.02mm Graduations	
505-740	6" x .001" Graduations	
505-743	8" x .001" Graduations	
505-749	12" x .001" Graduations	

Large Caliper

- Vernier Caliper
- Internal and external measurement



160-151 18" / 450mm x .001" /0.02mm Graduations	CODE	SIZE
160-153 24" / 600mm v. 001" / 0.02mm Graduations	160-151	18" / 450mm x .001" /0.02mm Graduations
100-135 24 / 00011111 X :001 / 0.0211111 Graduations	160-153	24" / 600mm x .001" / 0.02mm Graduations
160-155 40" / 1000mm x .001" / 0.02mm Graduations	160-155	40" / 1000mm x .001" / 0.02mm Graduations



Long Jaw Caliper

- Vernier Caliper
- Internal and external measurement



CODE	SIZE	
534-105 534-106	12" / 300mm with 90mm long jaws 20" / 500mm with 200mm long jaws	

Digimatic Caliper

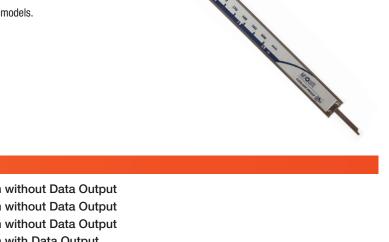
- Electromagnetic induction system allows use in workshop conditions exposed to coolant, water, dust and oil."
- New ergonomic design with finger rest.
- The ZERO/ABS button allows the display to be Zero-Set at any slider position along the scale for comparison measurements. This button will also allow return to the absolute (ABS) mode and display of the true position from the origin (usually jaws closed point).
- Large and clear LCD readout.
- Smooth slider movement makes for comfortable operation.
- 18,000 hours battery life.
- Can measure outside, inside, depth and steps.
- Allows integration into statistical process control and measurement systems for models with measurement data output connector on some models.
- Always use SR44 Batteries (938882)



CODE	SIZE
500-182-30	0-200mm without Data Output
500-196-30	6" / 150mm without Data Output
500-197-30	8" / 200mm without Data Output
500-193-30	12" / 300mm without Data Output
500-158-30	0-150mm with Data Output
500-170-30	4" / 100mm with Data Output
500-171-30	6" / 150mm with Data Output
500-172-30	8" / 200mm with Data Output
500-173-30	12" / 300mm with Data Output
500-500-10	0-450mm with Data Output
500-505-10	18" / 450mm with Data Output
500-506-10	24" / 600mm with Data Output

Coolant Proof Digimatic Caliper

- Can be used in workshop conditions exposed to coolant, water, dust or oil.
 Dimensions, mass and price are the same as the conventional products.
 Also, 100% inspection by air leak test is performed.
- Large LCD characters make the display easy to read.
- Easy to use advanced design styling with only 1 button.
- Incorporates the absolute measurement system. No need to reset the origin.
- The automatic power-on/off function shuts down the LCD display after 20 minutes inactivity, but the ABS scale unit origin is stored. Power is restored when the slider is moved.
- Can measure outside, inside, depth and steps.
- Can be integrated into statistical process control and measurement systems on some models.
- A convenient interface input tool is available so that measurement can be converted.
 to keyboard signals and input directly to commercial spreadsheet.
- An inspection certificate is supplied as standard.
- Always use SR44 Batteries (938882)



CODE	SIZE	
500-752-20	6" / 150mm without Data Output	
500-753-20	8" / 200mm without Data Output	
500-754-20	12"/300mm without Data Output	
500-762-20	6" / 150mm with Data Output	
500-763-20	8" / 200mm with Data Output	
500-764-10	12" / 300mm with Data Output	

Dial Gauges Series 1

 Compact dial indicators with bezel diameters of ø40mm for restricted-space applications in gaging jigs.



CODE	SIZE
1003T	4mm x 0.01mm with 36mm Face
1044S	5mm x 0.01mm 0-100 reading
1044SB	5mm x 0.01mm 0-100 reading with Flat Back
1045S	5mm x 0.01mm 0-50-0 reading
1410S	.25" x .001" 0-100 reading
1411S	.25" x .001" 0-50-0 reading
1411SB	.25" x .001" 0-50-0 reading with Flat Back
1911T-10	2.5mm x 0.01mm with 31mm Face



Back Plunger Dial Gauge

• Compact dial indicators with bezel diameters of ø40mm for restricted-space applications in gaging jigs.



CODE	SIZE
1160T	5mm x 0.01mm Back Plunger Type

Dial Gauges Series 2

- Long stroke dial indicators with a ø57mm outer frame. All the models are equipped with limit markers and a bezel clamp as standard.
- An 0-ring is employed to ensure air-tightness between the outer frame and the crystal case to prevent water or oil penetration.
- Both the stem and the spindle are made of high-strength quench-hardened stainless steel suitable for heavy-duty use.



CODE	SIZE
2046S	10mm x 0.01mm
2048S-10	10mm x 0.01mm with Adjustable Hand
2050S	20mm x 0.01mm
2052S	30mm x 0.01mm
2109S-10	1mm x 0.001mm
2118S-10	5mm x 0.001mm
2952S	30mm x 0.01mm
2358S-10	.5" x .0001"
2414S	.5" x .001"
2416S	1" x .001"
2424S-19	2" x .001"
2805S-10	.05" x .0001"
2904S	1" x .001"
2922S	.125" x .0005"
2923S-10	.05" x .0001"

Dial Gauges Series 3

- Bezel clamp and lifting lever (optional) can be fitted on either side of indicator
- Secure adhesion between the bezel and crystal as well as the use of an 0-ring prevents water and oil penetration
- The stem is made of high strength stainless steel suitable for heavy duty use
- Carbide contact point
- Stainless steel grand gear for high resistance to wear and deformation
- Highly scratch resistant crystal



CODE	SIZE	
3052S-19	30mm x 0.01mm	
3058S-19	50mm x 0.01mm	
3062S-19	100mm x 0.01mm	

Dial Test Indicators

- Provides easy access to shrouded surfaces that cannot be reached with conventional dial indicators.
- No-clutch structure for automatic reversal of measuring direction.
- Resistant to water and dust thanks to the one- piece bezel and O-ring seal for the crystal.
- The glare-free flat crystal face has a scratch-resistant coating.
- High sensitivity and quick response due to low-friction jeweled bearings.



CODE	SIZE
513-401-10E	0.14mm x 0.001mm Basic Set
513-402-10E	.0005" x 0.03" Basic Set
513-402-10T	.0005" x .03" Full Set
513-404-10E	0.01mm x 0.8mm Basic Set
513-404-10T	0.01mm x 0.8mm Full Set
513-406-10E	.0005" x .03"/0.01mm x 0.7mm Basic Set
513-406-10T	.0005" x .03" / 0.01mm x 0.7mm Full Set
513-412-10E	.03" x .0005" Basic Set
513-415-10E	1mm x 0.01mm Basic Set
513-425-10E	0.6mm x 0.002mm Basic Set
513-454-10E	0.8mm x 0.01mm Basic Set
513-464-10E	0.8mm x 0.01mm Basic Set
513-474-10E	0.8mm x 0.01mm Basic Set



Dial Test Indicators Pocket Type

- Jeweled bearings assure higher sensitivity and accuracy
- Indicator can be mounted by clamping the stem or the body
- Reversible measuring function
- Fully adjustable bezel/dial face
- Stylus is adjustable within 220°
- Bezel is sealed with an O-ring to keep out water and oil



CODE	SIZE	
513-501E	0.14mm x 0.001mm Basic Set	
513-515T	1.0mm x 0.01mm Full Set	
513-517T	0.8mm x 0.01mm Full Set	
513-518T	.04" x .001" Full Set	

Digimatic Indicators ID-C (Peak)

- GO / NG judgement is performed by setting the upper and lower tolerances for max., min. and runout values.
- High speed sampling ration of 50 times/s
- Employing the absolute linear encoder, the Signal ID-C always displays the spindle "Absolute Position" from the origin at power-on
- Always use SR44 Batteries (938882)



CODE	SIZE
543-301	12.7mm / .5" Peak Value Hold Type (JIS)

Digimatic Indicators ID-C (Bore Gauge)

- FAST measurement frequency allows the user to increase the number of readings per second from 10 to 50
- \bullet The minimum value holding function provides the easy of detection of hole diameter.
- An analog bar indicator is integrated to enhance the intuition in reading.
- GO / NG judgment is performed by setting the upper and lower tolerances.
- Simple operation of many functions using 5 buttons and status icons
- Measurement data memory function (9 measurement results can be stored)
- Wide LCD annd new analog bar graph are now standard on all models
- Always use SR44 Batteries (938882)



CODE	SIZE
543-311B	12.7mm / .5" x 0.001mm Bore Gauge Type Flat Back (JIS)

Digimatic Indicators ID-C

- The ABS (ABSOLUTE) sensor restores the last origin position automatically when the indicator is turned on.
- High reliability by eliminating over speed errors.
- · Large LCD display.
- Equipped with data output port that enables incorporation into measurement networking and statistical process control systems.
- Always use SR44 Batteries (938882)



CODE	SIZE
543-390	12mm x 0.001mm (JIS)
543-390B	12mm x 0.001mm Flat Back (JIS)
543-392	12.7mm / .5"x 0.001mm / .00005" (ANSI)
543-392B	12.7mm / .5"x 0.001mm / .00005" Flat Back (ANSI)
543-394B	12mm x 0.001mm Low Force Type Flat Back (JIS)
543-400	12mm x 0.01mm (JIS)
543-401	12.7mm / .5" x 0.01mm / .0005" (JIS)
543-401B	12.7mm / .5" x 0.01mm / .0005" Flat Back (JIS)
543-402	12.7mm / .5" x 0.01mm / .0005" (ANSI)
543-402B	12.7mm / .5" x 0.01mm / .0005" Flat Back (ANSI)

Digimatic Indicators ID-C (25mm)

- · Supplied as a flat back.
- The ABS (absolute) sensor restores the last origin position automatically when the indicator is turned on.
 Thanks to Mitutoyo's ABSOLUTE Linear Encoder, reliability has been increased due to elimination
 of over-speed errors.
- ID-C models have a battery life of approx 7000 hours.
- Always use SR44 Batteries (938882)



CODE	SIZE
543-471B	25.4mm / 1" x 0.001mm / .00005" Flat Back (JIS)
543-475B	25.4mm / 1" x 0.001mm / .00005" Flat Back (JIS)

Digimatic Indicators ID-C (50mm)

- Supplied as a flat back.
- The ABS (absolute) sensor restores the last origin position automatically when the indicator is turned on.
 Thanks to Mitutoyo's ABSOLUTE Linear Encoder, reliability has been increased due to elimination of over-speed errors.
- ID-C models have a battery life of approx 7000 hours.
- Always use SR44 Batteries (938882)



CODE	SIZE
543-491B	50mm / 2" travel x 0.001mm / .00005" Flat Back (JIS)
543-495B	50mm / 2" travel x 0.01mm / .0005" Flat Back (JIS)
543-496B	50mm / 2" travel x 0.01mm / .0005" Flat Back (ANSI)



Digimatic Indicator ID-F

• The ABS (ABSOLUTE) sensor restores the last origin position automatically when the indicator is turned on.

- High reliability by eliminating over speed errors.
- · Large LCD display.
- Equipped with data output port that enables incorporation into measurement networking and statistical process control systems.
- Always use SR44 Batteries (938882)



CODE	SIZE
554-552E	25mm/1" x Multi Resolutions (ANSI)
543-554E	50.8mm / 2" x Multi Resolutions (ANSI)

Digimatic Indicator ID-H

- The ABS (ABSOLUTE) sensor restores the last origin position automatically when the indicator is turned on.
- · High reliability by eliminating over speed errors.
- · Large LCD display.
- Equipped with data output port that enables incorporation into measurement networking and statistical process control systems.
- Always use SR44 Batteries (938882)



CODE	SIZE
543-562E 543-564E	30.4mm/1.2" x Multi Resolutions (ANSI) 60.9mm / 2.4" x Multi Resolutions (ANSI)

Digimatic Indicator ID-N

- The ABS (ABSOLUTE) sensor restores the last origin position automatically when the indicator is turned on.
- High reliability by eliminating over speed errors.
- · Large LCD display.
- Equipped with data output port that enables incorporation into measurement networking and statistical process control systems.
- Always use SR44 Batteries (938882)



CODE	SIZE
543-571	12.7mm / .5" x 0.01mm / .0005" Slim Type IP66 (ANSI)

Digimatic Indicator ID-B

- The ABS (ABSOLUTE) sensor restores the last origin position automatically when the indicator is turned on.
- · High reliability by eliminating over speed errors.
- · Large LCD display.
- Equipped with data output port that enables incorporation into measurement networking and statistical process control systems.
- Always use SR44 Batteries (938882)



CODE	SIZE
543-581	5mm / .2" x "0.01mm / .0005" Back Plunger Type (ANSI)

Digimatic Indicators ID-S

- The ABS (ABSOLUTE) sensor restores the last origin position automatically when the indicator is turned on.
- High reliability by eliminating over speed errors.
- · Large LCD display.
- Equipped with data output port that enables incorporation into measurement networking and statistical process control systems.
- Always use SR44 Batteries (938882)



CODE	SIZE
543-782	12.7mm /.5" x 0.01mm / .0005" (JIS)
543-783	12.7mm /.5" x 0.01mm / .0005" (ANSI)
543-783B	12.7mm /.5" x 0.01mm / .0005" Flat Back (ANSI)
543-790B	12.7mm x 0.001mm (JIS)
543-791	12.7mm /.5" x 0.001mm / .00005" (JIS)
543-792B	12.7mm /.5" x 0.001mm / .00005" Flat Back (ANSI)

Digimatic Indicator ID-U

- The ABS (ABSOLUTE) sensor restores the last origin position automatically when the indicator is turned on.
- High reliability by eliminating over speed errors.
- · Large LCD display.
- Equipped with data output port that enables incorporation into measurement networking and statistical process control systems.
- Always use SR44 Batteries (938882)



CODE

575-123 25.4mm / 1" x 0.01mm / .0005" Slim Economic Type (ANSI)



Magnetic Base Stands (Standard)

 Mitutoyo's Magnetic Stands accept all dial indicators and dial test indicators (with stem ø6 or ø8) and clamp to iron or steel surfaces with a strong magnetic force.



CODE SIZE

7010S-10

7011S-10

Mitutoyo Magnetic Stand Mitutoyo Magnetic Stand with Fine Adjustment

Magnetic Base Stands (Flexible)

 Mitutoyo's Magnetic Stands accept all dial indicators and dial test indicators (with stem ø6 or ø8) and clamp to iron or steel surfaces with a strong magnetic force.



CODE SIZE

7012-10

Mitutoyo Magnetic Stand Flexible Type

Magnetic Base Stands (Mini)

 Mitutoyo's Magnetic Stands accept all dial indicators and dial test indicators (with stem ø6 or ø8) and clamp to iron or steel surfaces with a strong magnetic force.



CODE SIZE

7014-10 Mitutoyo Magnetic Stand Mini Type

Magnetic Base Stands (One Lock)

• Mitutoyo's Magnetic Stands accept all dial indicators and dial test indicators (with stem ø6 or ø8) and clamp to iron or steel surfaces with a strong magnetic force.



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7033B Mitutoyo Magnetic Stand One Mechanical Lock Type

Gauge Stand

- Fine vertical adjustment us available with one touch control
- Dial guage stand designed for comparison measurements of size using a dial or digmatic indicator



CODE	SIZE
7002-10	Mitutovo Dial/Digimatic Gauge Stand Flat Anvil Type

Depth Micrometer

- General purpose depth measuring micrometer
- 4mm diameter measuring faces
- Ratchet stop for constant force



CODE	SIZE	
128-101	0-25mm x 63mm base	
128-102	0-25mm x 100mm base	
128-105	0-1" x 2.5" base	



Depth Micrometer

- General purpose depth measuring micrometer
- 4mm diameter measuring faces
- Ratchet stop for constant force



CODE	SIZE	
129-110	0-75mm x 63mm base	
129-111	0-100mm x 63mm base	
129-112	0-150mm x 63mm base	
129-115	0-100mm x 100mm base	
129-116	0-150mm x 100mm base	
129-127	0-4" x 2.5" base	
129-128	0-6" x 2.5" base	
129-132	0-6" x 4" base	
129-150	0-12" x 4" base	
129-153	0-300mm x 100mm base	
329-350-30	0-6" / 150mm x 4" base	

Digital Depth Micrometer

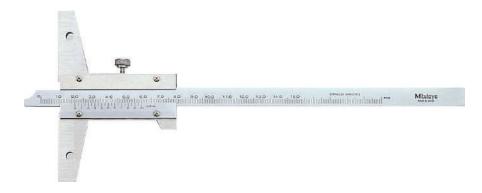
- With ratchet stop for constant force.With measuring rod clamp.
- With SPC output.
- With digit counter.
- Supplied in fitted plastic case.



CODE	SIZE	
329-350-30	0-6"/150mm x 4" base	

Depth Gauge

- Made of hardened stainless steel.
- · Base and measuring faces are hardened and micro-lapped.
- Optional wider extension base are available. (up to 450mm range models)



CODE	SIZE
527-202	0-200mm x 0.02mm

Digimatic Depth Gauge

- Optimal tool for measuring holes, narrow grooves and step measurement
- Always use SR44 Batteries (938882)



(CODE	SIZE
Ę	547-211	0-200mm x 0.01mm
ţ	547-217S	0-200mm / 8" x 0.01mm/.0005"

Digimatic Depth Gauge (Caliper Type)

- ABSOLUTE encoder technology.
- Use only SR44 Battery (938882).
- Battery life expectation of 20,000 hours under normal use.



CODE	SIZE	
571-211-30	200mm / 6" x 0.02mm / .001"	
571-212-30	200mm / 8" x 0.02mm / .001"	



Depth Gauge Base

 Attaching this depth gauge to the depth measurement face of the calipers can provide more accurate depth measurements



CODE	SIZE	
050083-10 050084-10	75mm 100mm	

Inside Micrometer (Rod Type)

- Wide range of inside measurements possible by combining extension rods and anvils with the measuring heads
- The sleeve is rotated to adjust the index line position when setting to a length standard



CODE	SIZE	
137-011	50-63mm Extension Rod Type	
137-201	50-150mm Extension Rod Type	
137-202	50-300mm Extension Rod Type	
137-203	50-500mm Extension Rod Type	
137-204	50-1000mm Extension Rod Type	
137-205	50-1500mm Extension Rod Type	
137-212	2-12" Extension Rod Type	

Inside Micrometer

- Wide range of inside measurements possible by combining extension rods and anvils with the measuring heads
- The sleeve is rotated to adjust the index line position when setting to a length standard



CODE	SIZE
141-101	25-50mm Interchangeable Anvil Type
141-025	50-63mm Interchangeable Anvil Type
141-205	50-200mm Interchangeable Anvil Type
141-206	50-300mm Interchangeable Anvil Type
141-118	200-1000mm Interchangeable Anvil Type
141-102	1-2" Interchangeable Anvil Type
141-026	2-2.5" Interchangeable Anvil Type
141-208	2-8" Interchangeable Anvil Type
141-233	2-12" Interchangeable Anvil Type

Inside Micrometer Caliper Type

- Carbide Measuring faces
- Fitted with ratchet stop for constant force
- An inside length standard is required for accurately setting the micrometer



CODE	SIZE	
145-185	5-30mm	

Bore Gauge

- This model reduces the influence of heat from the operators hand by 50% by increasing the grip size and making the grip hollow-structured, thereby retaining high-accuracy measurement.
- Optional extension rods can be attached for measuring deep holes
- Now offers a longer plunger stroke while maintaining original accuracy
- Carbide is used for the contact point ensuring high durability and wear resistant



CODE	SIZE
511-711	18-35mm x 0.01mm
511-712	35-60mm x 0.01mm
511-713	50-150mm x 0.01mm
511-721	18-35mm x 0.001mm
511-722	35-60mm x 0.001mm
511-723	50-150mm x 0.001mm
511-743	2-6" x .0005"
511-753	2-6" x .0001"
511-921	18-150mm x 0.01mm (3 Probes)



Digimatic Bore Gauge

- This model reduces the influence of heat from the operators hand by 50% by increasing the grip size and making the grip hollow-structured, thereby retaining high-accuracy measurement.
- Optional extension rods can be attached for measuring deep holes
- · Now offers a longer plunger stroke while maintaining original accuracy
- Carbide is used for the contact point ensuring high durability and wear resistant
- Always use SR44 Batteries (938882)



CODE	SIZE
511-521	45-100mm / 1.8-4"

Thickness Gauge

- Digital thickness gauges can quickly measure the thickness of thin products such as paper and felt
- Contact point and anvil are both made of Ceramic (except 543-400 series)
- Integrated moulding of the bezel and crystal ensures protection against water and oil penetration via the front face
- · Standard accuracy type



CODE	
7300S 0-4" x .001"	
7301 0-10mm x 0.01mm	
7305 0-20mm x 0.01mm	
7327 0-1mm x 0.001mm High Accuracy Type	

Thickness Gauge (Deep Throat)

- Digital thickness gauges can quickly measure the thickness of thin products such as paper and felt
- Contact point and anvil are both made of Ceramic (except 543-400 series)
- Integrated moulding of the bezel and crystal ensures protection against water and oil penetration via the front face
- · Standard accuracy type



CODE	SIZE
7323	0-20mm x 0.01mm Deep Throat Type

Digimatic Thickness Gauge

- Digital thickness gauges can quickly measure the thickness of thin products such as paper and felt
- Contact point and anvil are both made of Ceramic (except 543-400 series)
- Integrated moulding of the bezel and crystal ensures protection against water and oil penetration via the front face
- · Standard accuracy type
- Always use SR44 Batteries (938882)



CODE SIZE

547-300S 10mm / .4" x 0.01mm / .0005"

Digimatic Thickness Gauge (Tube Type)

- Digital thickness gauges can quickly measure the thickness of thin products such as paper and felt
- Contact point and anvil are both made of Ceramic (except 543-400 series)
- . Integrated moulding of the bezel and crystal ensures protection against water and oil penetration via the front face
- Standard accuracy type
- Always use SR44 Batteries (938882)



CODE

547-360 10mm x 0.01mm Tube Type

Digimatic Thickness Gauge (High Accuracy)

- Digital thickness gauges can quickly measure the thickness of thin products such as paper and felt
- Contact point and anvil are both made of Ceramic (except 543-400 series)
- Integrated moulding of the bezel and crystal ensures protection against water and oil penetration via the front face
- · Standard accuracy type
- Always use SR44 Batteries (938882)



CODE SIZE

547-400S 12.7mm / .5" x 0.001mm / .00005" High Accuracy Type



Digimatic Thickness Gauge (Deep Throat)

- Digital thickness gauges can quickly measure the thickness of thin products such as paper and felt
- Contact point and anvil are both made of Ceramic (except 543-400 series)
- Integrated moulding of the bezel and crystal ensures protection against water and oil penetration via the front face
- Standard accuracy type
- Always use SR44 Batteries (938882)



CODE SIZE

547-321 10mm x 0.01mm Deep Throat Type

Quickmini Thickness Gauge

- Lightweight and palm sized.
- Set measuring force guarantees consistant results.
- Highly suitable for quick dimensional inspection of small, thin and delicate objects.
- Application examples include: Pearls, jewels, shims for engine tappets and screws.
- Measurement of thin objects: printing paper, polyethylene bags etc.
- Always use SR44 Batteries (938882)



CODE	SIZE
700-118-30	12mm/.5"

Small Hole Gauge Set

- \bullet Extra long for gaging deep and shallow holes, slots, and similar workpiece features.
- Two sprung leaves are fully expanded inside a feature so that its size can be measured with an outside micrometer after extraction.



CODE	SIZE	
154-902	3-13mm	

Telescopic Gauges

 A spring-loaded plunger expands within a bore (or groove) and is locked in place, allowing measurement of diameter (or width) with an outside micrometer after extraction.



CODE	SIZE	
155-127	8-12.7mm (AA)	
155-128	12.7-19mm (A)	
155-129	19-32mm (B)	
155-130	32-54mm C	
155-131	54-90mm (D)	
155-132	90-154mm E	
155-905	Set 8-150mm	

Feeler Gauge Sets

- Metric thickness gauges are available with tapered leaves
- Each leaf is marked with its thickness
- Each leaf is detachable if necessary



CODE	SIZE
184-303S	0.05-1.0mm 28 Pc Long Leaf
184-304S	0.05-1.0mm 13 Pc
184-305S	0.05-1.0mm 20 Pc Long Leaf

Radius Gauge Sets

- Radius size stamped on each leaf
- Each leaf comprises an internal and an external radius gauge of the same size
- Each set includes a locking clamp



CODE	SIZE	
186-101	1 / 32"- 1 / 4"	
186-103	1 / 32"- 17 / 64"	
186-104	9 / 32"- 33 / 64"	
186-105	1-7mm	
186-106	7.5-15mm	
186-107	15.5-25mm	
186-110	0.4-6mm	
186-902	0.5mm-13mm	



Thread Pitch Gauge Sets

- Thread pitch is stamped on each leaf
- Metric, Unified and Whitwoth form gauges available



CODE	SIZE	
188-101	4-42 TPI 55 Deg	
188-102	4-60 TPI 55 Deg	
188-111	4-42 TPI 60 Deg	
188-122	0.4-7mm 60 Deg	
188-151	0.4-7mm / 4-42 TPI 60 Deg	

Protractor

- High precision instrument for accurate angle measurement on machines, moulds and jigs
- Can be attached to height gauges
- Graduations 5 secs



CODE	SIZE	
187-501	150mm Digital	
187-502	300mm Digital	
187-901	300mm	

Digital Protractor

- Full 360° range (90° x 4)
- Machined Aluminium Frame
- Alternative reference
- · Reading hold
- Simple calibration requiring no special fixtures



CODE	SIZE	
950-317	0.1 degree (PRO360)	
950-318	0.01 degree (PRO3600)	

Height Gauge

- Fits comfortably in the hand.
- Moves easily on the surface plate.
- Large locking knobs.
- Large main scale enlarging for fatigue free working.
- Inch / Metric Reading.



CODE	SIZE
514-103	12"/300mm Vernier Type

Digimatic Height Gauge

- Slide adjustment wheel for smooth elevation.
- Large slider clamp lever ensures positive and accurate clamping actions.
- Absolute scale function
- Data output facility
- Always use SR44 Batteries (938882)



CODE	SIZE
570-312	12" / 300mm x .0005" / 0.01mm Resolutions
570-313	18" / 450mm x .0005" / 0.01mm Resolutions
570-314	24" / 600mm x .0005" / 0.01mm Resolutions



Digimatic Height Gauge

- Easy-to-use standard type.
- · Double-column structure ensures high measuring accuracy.
- Ergonomic base fits comfortably in the hand.
- Bidirectional touch-trigger probe is available as an optional accessory.
- Character height of the LCD display has been increased (10mm to 11mm) and a high-contrast LCD display unit adopted, so that the readability is improved.
- Inclined handle improves slider ergonomics.
- Allows integration into statistical process control and measurement systems.
- Always use SR44 Batteries (938882)



CODE		SIZ	Е
CODE	l e e e e e e e e e e e e e e e e e e e		15

192-670-10 12" / 300mm x Multi Resolutions

Surftest

- Easy operation surface roughness tester
- Used in quality control rooms or the factory floor
- Very portable with battery or mains power options
- Range of stlyi available



CODE SIZE

178-561-01E SJ-210 0.75mN Type

Pocket Comparator

- By replacing optional reticles, dimensional, angle and other types of measurment can be performed
- Used in conjunction with series 183 Pocket Comparartor
- An optional illuminator is also available (950757)



CODE	SIZE	
183-131	10x Magnification	
183-103	Reticle to suit	
183-104	Reticle to suit	
183-105	Reticle to suit	
183-108	Reticle to suit	
183-109	Reticle to suit	

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Illuminator

• Optional Illuminator to be used with 183-101, 183-121 and 183-131 Pocket comparators



CODE	CITE
CODE	SIZE

950757 Mitutoyo Illuminator for Pocket Comparator

Pocket Magnifier

- Series 183 Pocket Magnifier Pen Type
- Suitable for checking metal surfaces
- Also ideal for checking carbide insert wear



CODE	SIZE
183-201	Mitutoyo Pocket Magnifier 25x
183-202	Mitutoyo Pocket Magnifier 25x with stand
183-203	Mitutoyo Pocket Magnifier 50x

Clear Loupe

• Series 183 Clear Loupe



CODE	SIZE
183-302	10x Magnification
183-303	15x Magnification



Digital Read Outs

- High performance, low cost 2 axis digital counter
- The KA style counter has both mill and lathe functions, as well as standard functions
- RS232 interface (optional) is available as an external interface
- Now lighter and takes less space



CODE	SIZE
174-183E	Mitutoyo KA Digital Read Out Counter 2 Axis
174-185E	Mitutoyo KA Digital Read Out Counter 3 Axis

Linear Scales

• Uses an Absolute® electromagnetic induction system to achieve IP67 environmental resistance

 \bullet Detects and outputs the absolute position - no reference point setup needed at each power on

• Abnormal calculations do not occur as a result of electronic noise

 Very suitable scale for mounting on lathes and milling machines and other machining tools with difficult mounting positions

· Consult technical manual for overall lengths and mounting details



CODE	SIZE
539-802	150mm Coolant Proof
539-803	200mm Coolant Proof
539-804	250mm Coolant Proof
539-805	300mm Coolant Proof
539-806	350mm Coolant Proof
539-807	400mm Coolant Proof
539-808	450mm Coolant Proof
539-809	500mm Coolant Proof
539-811	600mm Coolant Proof
539-813	700mm Coolant Proof
539-815	800mm Coolant Proof
539-816	900mm Coolant Proof
539-817	1000mm Coolant Proof
539-819	1200mm Coolant Proof
539-820	1300mm Coolant Proof
539-822	1500mm Coolant Proof
539-825	1800mm Coolant Proof
539-860	2000mm Coolant Proof

Established in 1934 Mitutoyo has grown to become a world leader in the Manufacture and Sales of Precision Measuring Instruments. The Quality, Integrity and Reliability of Mitutoyo products is second to none in New Zealand. When it comes down to measuring to tolerances of 10 microns and below you need to trust your results.

Ask us about **ABSOLUTE** Linear Scale Technology on our Digital Tools and understand why this is imperative in maintaining accuracy and integrity during measurement.

"After 40 years I am still using the Mitutoyo Tools I bought during my apprenticeship."

Stephen Browne Product Manager Hobeca



