

Digimatic Holtest

SERIES 468 — Three-Point Internal Micrometers

FEATURES

- Three-point internal micrometer with a digital LCD display (text height = 7.4 mm).
- Titanium-coated measuring surfaces.
- Built-in memory can store two preset values for origin setting to enable storage of multiple actual measurements of setting rings with the object of aiding efficient measurement preparation.
- A single button-type battery lasts approximately 1.2 years under normal usage conditions.
- Support for ABS and INC measurement modes for maximum efficiency.
- IP65 protection rated; can be used in places where cutting fluid may splash.
- Measurement reach extends to the bottom of blind holes.
- Enables measurement of deep holes with an optional extension rod.
- Function Lock feature to prevent accidental modification of the origin.
- Setting Rings for accurately setting the instrument are optional.



468-161



468-168



468-174

DIMENSIONS AND MASS

Range	L
6 - 8mm	59
8 - 10mm	59
10 - 12mm	59
12 - 16mm	84
16 - 20mm	84
20 - 25mm	93
25 - 30mm	93
30 - 40mm	103.8
40 - 50mm	103.8
50 - 63mm	105.4
62 - 75mm	105.4
75 - 88mm	105.4
87 - 100mm	105.4
100 - 125mm	151.4
125 - 150mm	151.4
150 - 175mm	151.4
175 - 200mm	151.4
200 - 225mm	151.4
225 - 250mm	151.4
250 - 275mm	151.4
275 - 300mm	151.4

Unit: mm

Measuring a Blind Hole

The measuring pins fixed to the anvils permit measuring the diameter of a blind hole right down to the bottom.

Range	a	b	c
6 - 12mm	2	—	2.5
12 - 20mm	0.3	5.6	3.5
20 - 30mm	0.3	8.3	5.2
30 - 50mm	0.3	13	10
50 - 100mm	0.3	17	14
100 - 300mm	12.4	21	13.8



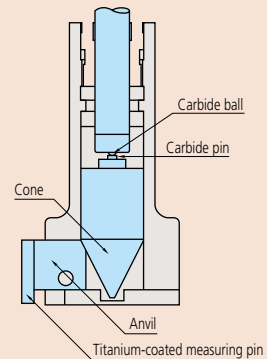
(Refer to page VIII for details.)



(Refer to page VIII for details.)

Technical Data

Accuracy: Refer to the list of specifications.
 Resolution: 0.001mm, .00005"/0.001mm (models up to 4")
 or .0001"/0.001mm (models over 5")
 Measuring pins: Titanium-coated tungsten carbide
 Measuring method: Three-point method
 Display: LCD
 Battery: SR44 (1 pcs.), **938882**
 Battery life: Approx. 1.2 years under normal use



Functions

Zero-setting, Data hold, Automatic power ON/OFF, Data output, 2-point Preset, Function lock, Automatic power on/off, inch/mm conversion (inch/mm models)
 Alarm: Low voltage, Counting value composition error

Optional Accessories

- 05CZA662:** SPC cable with data switch (1m)
- 05CZA663:** SPC cable with data switch (2m)
- 02AZD790B:** SPC cable for U-WAVE w/ data switch (160mm)
- 04AZB157:** Mounting plate for stand
- 156-101-10:** Stand
- : Extension rod (Refer to the list of specifications.)
- : Setting ring (See page C-28.)



Complete-Unit Sets



468-981



468-982



468-983



468-984



468-985

Interchangeable-Head Sets



468-971



468-972



468-973

468-974



SPECIFICATIONS

Metric Individual		Inch/Metric Individual		Accuracy*		Extension rod (optional)
Range	Order No.	Range	Order No.			
6 - 8mm	468-161	.275" - .35"	468-261	±2µm (within 2µm)	±.0001" (within .0001")	100mm (952322)
8 - 10mm	468-162	.35" - .425"	468-262	±2µm (within 2µm)	±.0001" (within .0001")	100mm (952322)
10 - 12mm	468-163	.425" - .5"	468-263	±2µm (within 2µm)	±.0001" (within .0001")	100mm (952322)
12 - 16mm	468-164	.5" - .65"	468-264	±2µm (within 2µm)	±.0001" (within .0001")	150mm (952621)
16 - 20mm	468-165	.65" - .8"	468-265	±2µm (within 2µm)	±.0001" (within .0001")	150mm (952621)
20 - 25mm	468-166	.8" - 1"	468-266	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952622)
25 - 30mm	468-167	1" - 1.2"	468-267	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952622)
30 - 40mm	468-168	1.2" - 1.6"	468-268	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952622)
40 - 50mm	468-169	1.6" - 2"	468-269	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952622)
50 - 63mm	468-170	2" - 2.5"	468-270	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952623)
62 - 75mm	468-171	2.5" - 3"	468-271	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952623)
75 - 88mm	468-172	3" - 3.5"	468-272	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952623)
87 - 100mm	468-173	3.5" - 4"	468-273	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952623)
100 - 125mm	468-174	4" - 5"	468-274	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
125 - 150mm	468-175	5" - 6"	468-275	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
150 - 175mm	468-176	6" - 7"	468-276	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
175 - 200mm	468-177	7" - 8"	468-277	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
200 - 225mm	468-178	8" - 9"	468-278	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
225 - 250mm	468-179	9" - 10"	468-279	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
250 - 275mm	468-180	10" - 11"	468-280	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
275 - 300mm	468-181	11" - 12"	468-281	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)

*Instrumental error excluding quantizing error (maximum error)

Complete-Unit Set

Each set includes complete gages (display units and measuring heads for each size).

Metric				
Range	Order No.	Individual ranges	Setting rings included	Remarks
6 - 12mm	468-981	6-8, 8-10, 10-12mm	ø8mm, ø10mm	—
12 - 25mm	468-982	12-16, 16-20, 20-25mm	ø16mm, ø20mm	—
25 - 50mm	468-983	25-30, 30-40, 40-50mm	ø30mm, ø40mm	—
50 - 75mm	468-984	50-63, 62-75mm	ø62mm	—
75 - 100mm	468-985	75-88, 87-100mm	ø87mm	—

Inch/Metric				
Range	Order No.	Individual ranges	Setting rings included	Remarks
.275" - .5"	468-986	.275-.35", .35-.425", .425-.5"	.35" DIA., .425" DIA.	—
.5" - 1"	468-987	.5-.65", .65-.8", .8-1"	.65" DIA., .8" DIA.	—
1" - 2"	468-988	1-1.2", 1.2-1.6", 1.6-2"	1.2" DIA., 1.6" DIA.	—
2" - 3"	468-989	2-2.5", 2.5-3"	2.5" DIA.	—
3" - 4"	468-990	3-3.5", 3.5-4"	3.5" DIA.	—

Interchangeable-Head Sets

Each set includes one display unit with interchangeable measuring heads of the sizes specified.

Metric				
Range	Order No.	Individual ranges	Setting rings included	Remarks
6 - 12mm	468-971	6-8, 8-10, 10-12mm	ø8mm, ø10mm	with extension rod
12 - 20mm	468-972	12-16, 16-20mm	ø16mm	with extension rod
20 - 50mm	468-973	20-25, 25-30, 30-40, 40-50mm	ø25mm, ø40mm	with extension rod
50 - 100mm	468-974	50-63, 62-75, 75-88, 87-100mm	ø62mm, ø87mm	with extension rod
100 - 200mm	468-975	100-125, 125-150, 150-175, 175-200mm	ø125mm, ø175mm	with extension rod

Inch/Metric				
Range	Order No.	Individual ranges	Setting rings included	Remarks
.275" - .5"	468-976	.275-.35", .35-.425", .425-.5"	.35" DIA., .425" DIA.	with extension rod
.5" - .8"	468-977	.5-.65", .65-.8"	.65" DIA.	with extension rod
.8" - 2"	468-978	.8-1", 1-1.2", 1.2-1.6", 1.6-2"	1" DIA., 1.6" DIA.	with extension rod
2" - 4"	468-979	2-2.5", 2.5-3", 3-3.5", 3.5-4"	2.5" DIA., 3.5" DIA.	with extension rod
4" - 8"	468-980	4-5", 5-6", 6-7", 7-8"	5" DIA., 7" DIA.	with extension rod

Holtest

SERIES 368 — Three-Point/Two-Point Internal Micrometers

These Holtests are versatile, self-centering three-point micrometers for the accurate and efficient direct-measurement of internal diameters. Three anvils, evenly spaced at 120° apart, contact the hole surface and find true alignment with the axis of a hole for accurate measurement.

FEATURES

- Titanium-coated measuring surfaces (on models with measurement range over 6 mm).
- Can measure deep holes using an Extension rod (optional) which is available on models over 6mm (.275") measuring range.
- With Ratchet Stop for constant force.
- Setting Rings for accurately setting the instrument are optional.



(Refer to page VIII for details.)

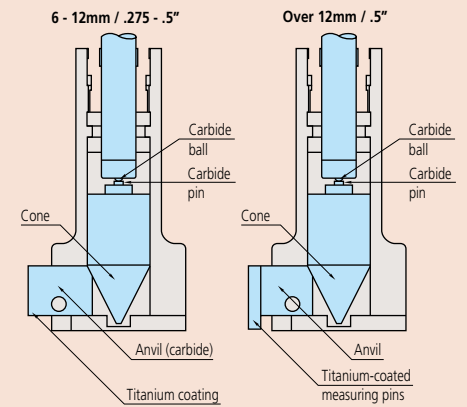
Technical Data

Accuracy: Refer to the list of specifications.
 Graduation: 0.001mm, 0.005mm (models over 12mm),
 .0001" or .0002" (models over .5")

Range	Measuring method
2 - 3mm / .08 - .12"	Two-point
3 - 6mm / .12 - .28"	Two-point
6 - 12mm / .275 - .5"	Three-point
over 12mm / over .5"	Three-point



Two-point contact type



Optional Accessories

- : Extension rod (Refer to the list of specifications.)
- : Setting ring (See page C-28.)

DIMENSIONS

Unit: mm

Measuring a Blind Hole

The measuring pins fixed to the anvils permit measuring the diameter of a blind hole right down to the bottom.

Range	L	Range	L
2 - 2.5mm	12	40 - 50mm	102
2.5 - 3mm	12	50 - 63mm	105
3 - 4mm	22	62 - 75mm	105
4 - 5mm	22	75 - 88mm	105
5 - 6mm	22	87 - 100mm	105
6 - 8mm	59	100 - 125mm	161
8 - 10mm	59	125 - 150mm	161
10 - 12mm	59	150 - 175mm	161
12 - 16mm	82	175 - 200mm	161
16 - 20mm	82	200 - 225mm	161
20 - 25mm	94	225 - 250mm	161
25 - 30mm	94	250 - 275mm	161
30 - 40mm	102	275 - 300mm	161

Range	a	b	c
2 - 6mm	—	—	2
6 - 12mm	2	—	2.5
12 - 20mm	0.3	5.6	3.5
20 - 30mm	0.3	8.3	5.2
30 - 50mm	0.3	13	10
50 - 100mm	0.3	17	14
100 - 300mm	12.4	21	13.8



Using the optional extension rod

Complete-Unit Sets



368-906

368-907



368-911

368-912

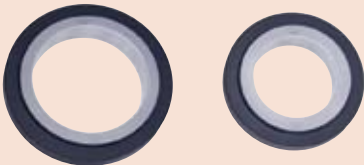


368-913

368-914



368-915



SPECIFICATIONS

Metric		Inch		Accuracy*		Extension Rod (optional)
Range	Order No.	Range	Order No.			
2 - 2.5mm	368-001	.08" - .1"	368-021	±2µm (within 2µm)	±.0001" (within .0001")	—
2.5 - 3mm	368-002	.1" - .12"	368-022	±2µm (within 2µm)	±.0001" (within .0001")	—
3 - 4mm	368-003	.12" - .16"	368-023	±2µm (within 2µm)	±.0001" (within .0001")	—
4 - 5mm	368-004	.16" - .2"	368-024	±2µm (within 2µm)	±.0001" (within .0001")	—
5 - 6mm	368-005	.2" - .24"	368-025	±2µm (within 2µm)	±.0001" (within .0001")	—
—	—	.24" - .28"	368-026	±2µm (within 2µm)	±.0001" (within .0001")	—
6 - 8mm	368-161	.275" - .35"	368-261	±2µm (within 2µm)	±.0001" (within .0001")	100mm (952322)
8 - 10mm	368-162	.35" - .425"	368-262	±2µm (within 2µm)	±.0001" (within .0001")	100mm (952322)
10 - 12mm	368-163	.425" - .5"	368-263	±2µm (within 2µm)	±.0001" (within .0001")	100mm (952322)
12 - 16mm	368-164	.5" - .65"	368-264	±2µm (within 2µm)	±.0001" (within .0001")	150mm (952621)
16 - 20mm	368-165	.65" - .8"	368-265	±2µm (within 2µm)	±.0001" (within .0001")	150mm (952621)
20 - 25mm	368-166	.8" - 1"	368-266	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952622)
25 - 30mm	368-167	1" - 1.2"	368-267	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952622)
30 - 40mm	368-168	1.2" - 1.6"	368-268	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952622)
40 - 50mm	368-169	1.6" - 2"	368-269	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952622)
50 - 63mm	368-170	2" - 2.5"	368-270	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952623)
62 - 75mm	368-171	2.5" - 3"	368-271	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952623)
75 - 88mm	368-172	3" - 3.5"	368-272	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952623)
87 - 100mm	368-173	3.5" - 4"	368-273	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952623)
100 - 125mm	368-174	4" - 5"	368-274	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
125 - 150mm	368-175	5" - 6"	368-275	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
150 - 175mm	368-176	6" - 7"	368-276	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
175 - 200mm	368-177	7" - 8"	368-277	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
200 - 225mm	368-178	8" - 9"	368-278	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
225 - 250mm	368-179	9" - 10"	368-279	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
250 - 275mm	368-180	10" - 11"	368-280	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
275 - 300mm	368-181	11" - 12"	368-281	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)

*Instrumental error (maximum error)

with titanium-coated contact surfaces

Complete-Unit Sets

Each set includes complete gages (micrometer head units and measuring heads for each size).

Metric				
Range	Order No.	Individual ranges	Setting rings included	Remarks
2 - 3mm	368-906	2-2.5, 2.5-3mm	ø2.5mm	—
3 - 6mm	368-907	3-4, 4-5, 5-6mm	ø4mm, ø5mm	—
6 - 12mm	368-911	6-8, 8-10, 10-12mm	ø8mm, ø10mm	with extension rod
12 - 20mm	368-912	12-16, 16-20mm	ø16mm	with extension rod
20 - 50mm	368-913	20-25, 25-30, 30-40, 40-50mm	ø25mm, ø40mm	with extension rod
50 - 100mm	368-914	50-63, 62-75, 75-88, 87-100mm	ø62mm, ø87mm	with extension rod
100 - 200mm	368-915	100-125, 125-150, 150-175, 175-200mm	ø125mm, ø175mm	with extension rod

with titanium-coated contact surfaces

Inch				
Range	Order No.	Individual ranges	Setting rings included	Remarks
.08" - .12"	368-926	.08-.1", .1-.12"	.1" DIA.	—
.12" - .28"	368-927	.12-.16", .16-.2", .2-.24", .24-.28"	.16" DIA., .24" DIA.	—
.275" - .5"	368-916	.275-.35", .35-.425", .425-.5"	.35" DIA., .5" DIA.	with extension rod
.5" - .8"	368-917	.5-.65", .65-.8"	.65" DIA.	with extension rod
.8" - 2"	368-918	.8-1", 1-1.2", 1.2-1.6", 1.6-2"	1" DIA., 1.6" DIA.	with extension rod
2" - 4"	368-919	2-2.5", 2.5-3", 3-3.5", 3.5-4"	2.5" DIA., 3.5" DIA.	with extension rod
4" - 8"	368-920	4-5", 5-6", 6-7", 7-8"	5" DIA., 7" DIA.	with extension rod

with titanium-coated contact surfaces

Holtest (Type II)

SERIES 368 — Three-Point Internal Micrometers

FEATURES

- The Holtests (type II) have three anvils made of high-grade tool steel.
- Economy price.
- Measurement can be taken close to the bottom of a blind hole.
- Can measure deep holes using an Extension Rod (optional).
- With Ratchet Stop for constant force.
- Setting Rings for accurately setting the instrument are optional.

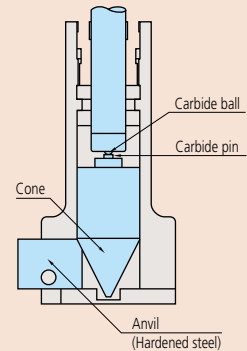


(Refer to page VIII for details.)



Technical Data

Accuracy: Refer to the list of specifications.
 Graduation: 0.005mm or .0002"
 Measuring method: Three-point
 Anvils: Hardened steel



Optional Accessories

- : Extension rod (Refer to the list of specifications.)
- : Setting ring (See page C-28.)

DIMENSIONS AND MASS

Unit: mm

Range	L
12 - 16mm	82
16 - 20mm	82
20 - 25mm	94
25 - 30mm	94
30 - 40mm	102
40 - 50mm	102
50 - 63mm	105
62 - 75mm	105
75 - 88mm	105
87 - 100mm	105
100 - 125mm	161
125 - 150mm	161
150 - 175mm	161
175 - 200mm	161
200 - 225mm	161
225 - 250mm	161
250 - 275mm	161
275 - 300mm	161

Measuring a Blind Hole

The measuring pins fixed to the anvils permit measuring the diameter of a blind hole right down to the bottom.

Range	a	b
12 - 20mm	2.6	3.5
20 - 30mm	3.4	5.2
30 - 50mm	3.4	10
50 - 100mm	3.4	14
100 - 300mm	19.6	13.8

SPECIFICATIONS

Metric		Inch		Accuracy		Extension Rod (optional)
Range	Order No.	Range	Order No.			
12 - 16mm	368-764	.5" - .65"	368-864	±2µm (within 2µm)	±.0001" (within .0001")	150mm (952621)
16 - 20mm	368-765	.65" - .8"	368-865	±2µm (within 2µm)	±.0001" (within .0001")	150mm (952621)
20 - 25mm	368-766	.8" - 1"	368-866	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952622)
25 - 30mm	368-767	1" - 1.2"	368-867	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952622)
30 - 40mm	368-768	1.2" - 1.6"	368-868	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952622)
40 - 50mm	368-769	1.6" - 2"	368-869	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952622)
50 - 63mm	368-770	2" - 2.5"	368-870	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952623)
62 - 75mm	368-771	2.5" - 3"	368-871	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952623)
75 - 88mm	368-772	3" - 3.5"	368-872	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952623)
87 - 100mm	368-773	3.5" - 4"	368-873	±3µm (within 3µm)	±.00015" (within .00015")	150mm (952623)
100 - 125mm	368-774	4" - 5"	368-874	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
125 - 150mm	368-775	5" - 6"	368-875	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
150 - 175mm	368-776	6" - 7"	368-876	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
175 - 200mm	368-777	7" - 8"	368-877	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
200 - 225mm	368-778	8" - 9"	368-878	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
225 - 250mm	368-779	9" - 10"	368-879	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
250 - 275mm	368-780	10" - 11"	368-880	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)
275 - 300mm	368-781	11" - 12"	368-881	±5µm (within 5µm)	±.00025" (within .00025")	150mm (952623)

Complete-Unit Sets

Each set includes complete gages (micrometer head units and measuring heads for each size).

Metric				
Range	Order No.	Individual ranges	Setting rings included	Remarks
12 - 20mm	368-991	12-16, 16-20mm	ø16mm	with extension rod
20 - 50mm	368-992	20-25, 25-30, 30-40, 40-50mm	ø25mm, ø40mm	with extension rod
50 - 100mm	368-993	50-63, 62-75, 75-88, 87-100mm	ø62mm, ø87mm	with extension rod
100 - 200mm	368-994	100-125, 125-150, 150-175, 175-200mm	ø125mm, ø175mm	with extension rod

Inch				
Range	Order No.	Individual ranges	Setting rings included	Remarks
.5" - .8"	368-995	.5-.65", .65-.8"	.65" DIA.	with extension rod
.8" - 2"	368-996	.8-1", 1-1.2", 1.2-1.6", 1.6-2"	1" DIA., 1.6" DIA.	with extension rod
2" - 4"	368-997	2-2.5", 2.5-3", 3-3.5", 3.5-4"	2.5" DIA., 3.5" DIA.	with extension rod
4" - 8"	368-998	4-5", 5-6", 6-7", 7-8"	5" DIA., 7" DIA.	with extension rod



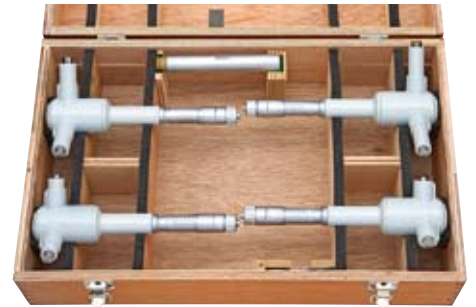
368-991



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368-994

ABSOLUTE Borematic

SERIES 568 — ABSOLUTE Digimatic Snap-Open Bore Gages

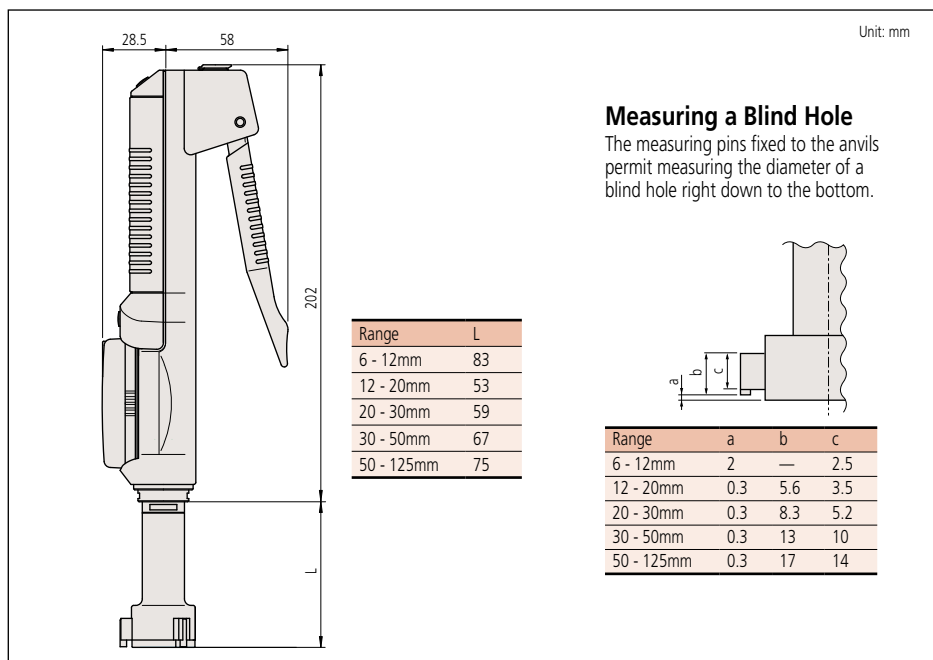
The Borematic enables the operator to take measurements more accurately and more quickly than ever before. The Borematic retains the setting for the life of the battery. Therefore no longer repeated setting (presetting) is no longer necessary.

FEATURES

- Titanium-coated measuring surfaces.
- Large LCD digits of 8.5mm height for error-free reading.
- 330-degree rotatable display unit for easy reading at any angle.
- GO/NO-GO judgment function.
- The ABSOLUTE linear encoder eliminates any concerns regarding over-speed errors.
- With SPC data output.
- Setting rings for accurately setting the instrument are optional.
- Can measure deep holes by attaching an optional extension rod.



DIMENSIONS



(Refer to page VIII for details.)



Absolute System Patented by MITUTOYO

(Refer to page VIII for details.)

Technical Data

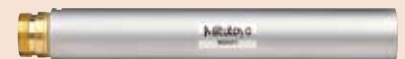
Accuracy: Refer to the list of specifications.
 Resolution: 0.001mm or .00005"/0.001mm
 Measuring pins: Titanium coated
 Measuring method: Three-point method
 Display: LCD
 Battery: SR44 (1 pc.) (938882)
 Battery life: Approx. 1 year

Functions

Preset, GO/NO-GO judgment, Data hold, Power ON/OFF, Data output, inch/mm conversion (inch/mm models)

Optional Accessories

- 937387:** SPC cable (1m)
- 965013:** SPC cable (2m)
- 02AZD790E:** SPC cable for U-WAVE (160mm)
- 952322:** Extension rod for 6 - 12mm (.275" - .500") gages
- 952621:** Extension rod for 12 - 20mm (.50" - .80") gages
- 952622:** Extension rod for 20 - 50mm (.8" - 2.0") gages
- 952623:** Extension rod for 50 - 125mm (2.0" - 5.0") gages
- : Setting ring (See page C-28.)



SPECIFICATION

Metric Individual		
Range	Order No.	Accuracy*
6 - 8mm	568-331-10	±5µm (within 5µm)
8 - 10mm	568-332-10	±5µm (within 5µm)
10 - 12mm	568-333-10	±5µm (within 5µm)
12 - 16mm	568-334-10	±5µm (within 5µm)
16 - 20mm	568-335-10	±5µm (within 5µm)
20 - 25mm	568-336-10	±6µm (within 6µm)
25 - 30mm	568-337-10	±6µm (within 6µm)
30 - 40mm	568-338-10	±6µm (within 6µm)
40 - 50mm	568-339-10	±6µm (within 6µm)
50 - 63mm	568-340-10	±6µm (within 6µm)
62 - 75mm	568-341-10	±6µm (within 6µm)
75 - 88mm	568-342-10	±6µm (within 6µm)
87 - 100mm	568-343-10	±6µm (within 6µm)
100 - 113mm	568-344-10	±6µm (within 6µm)
112 - 125mm	568-345-10	±6µm (within 6µm)

Inch/Metric Individual		
Range	Order No.	Accuracy
.275" - .350"	568-431-10	±.00025" (within .00025")
.350" - .425"	568-432-10	±.00025" (within .00025")
.425" - .500"	568-433-10	±.00025" (within .00025")
.50" - .65"	568-434-10	±.00025" (within .00025")
.65" - .80"	568-435-10	±.00025" (within .00025")
.8" - 1.0"	568-436-10	±.0003" (within .0003")
1.0" - 1.2"	568-437-10	±.0003" (within .0003")
1.2" - 1.6"	568-438-10	±.0003" (within .0003")
1.6" - 2.0"	568-439-10	±.0003" (within .0003")
2.0" - 2.5"	568-440-10	±.0003" (within .0003")
2.5" - 3.0"	568-441-10	±.0003" (within .0003")
3.0" - 3.5"	568-442-10	±.0003" (within .0003")
3.5" - 4.0"	568-443-10	±.0003" (within .0003")
4.0" - 4.5"	568-444-10	±.0003" (within .0003")
4.5" - 5.0"	568-445-10	±.0003" (within .0003")

*Instrumental error excluding quantizing error (maximum error)

Complete-Unit Sets



568-981-10



568-983-10

Interchangeable-Head Set



568-971-10



568-973-10

Complete-Unit Set

Each set includes complete gages (display units and measuring heads for each size).

Metric				
Range	Order No.	Individual ranges	Setting rings included	Remarks
6 - 12mm	568-981-10	6-8, 8-10, 10-12mm	ø8mm, ø10mm	
12 - 25mm	568-982-10	12-16, 16-20, 20-25mm	ø16mm, ø20mm	
25 - 50mm	568-983-10	25-30, 30-40, 40-50mm	ø30mm, ø40mm	
50 - 75mm	568-984-10	50-63, 62-75mm	ø62mm	
75 - 100mm	568-985-10	75-88, 87-100mm	ø87mm	

Inch				
Range	Order No.	Individual ranges	Setting rings included	Remarks
.275" - .5"	568-987-10	.275-.35", .35-.425", .425-.5"	ø.35" DIA, ø.425" DIA	
.5" - 1"	568-988-10	.5-.65", .65-.8", .8-1"	ø.65" DIA, ø.8" DIA	
1" - 2"	568-989-10	1-1.2", 1.2-1.6", 1.6-2"	ø1.2" DIA, ø1.6" DIA	
2" - 3"	568-990-10	2-2.5", 2.5-3"	ø2.5" DIA	
3" - 4"	568-991-10	3-3.5", 3.5-4"	ø3.5" DIA	

Interchangeable-Head Set

Each set includes one display unit with interchangeable measuring heads of the sizes specified.

Metric				
Range	Order No.	Individual ranges	Setting rings included	Remarks
6 - 12mm	568-971-10	6-8, 8-10, 10-12mm	ø8mm, ø10mm	
12 - 25mm	568-972-10	12-16, 16-20, 20-25mm	ø16mm, ø20mm	
25 - 50mm	568-973-10	25-30, 30-40, 40-50mm	ø30mm, ø40mm	
50 - 100mm	568-974-10	50-63, 62-75, 75-88, 87-100mm	ø62mm, ø87mm	

Inch				
Range	Order No.	Individual ranges	Setting rings included	Remarks
.275" - .5"	568-976-10	.275-.35", .35-.425", .425-.5"	ø.35" DIA, ø.425" DIA	
.5" - 1"	568-977-10	.5-.65", .65-.8", .8-1"	ø.65" DIA, ø.8" DIA	
1" - 2"	568-978-10	1-1.2", 1.2-1.6", 1.6-2"	ø1.2" DIA, ø1.6" DIA	
2" - 4"	568-979-10	2-2.5", 2.5-3", 3-3.5", 3.5-4"	ø2.5" DIA, ø3.5" DIA	