

Digimatic Holtest

SERIES 468 — Three-Point Internal Micrometers

FEATURES

- TiN-coated measuring contact points provide excellent durability and impact resistance and allow the instrument to measure to the bottom of a blind hole (up to 100mm / 4" models).
- Large LCD readout.
- Functions available: Presetting, Zero/ABS, Auto power On/Off, Data hold, Data output, Error alarm, Battery replacement alarm.
- With Ratchet Stop for constant force.
- Can measure deep holes by attaching an Extension rod (optional).
- Setting rings for origin point setting are optional.
- Supplied in fitted plastic case up to 100mm / 4" . Over 100mm / 4" supplied in wooden case.



468-261



468-263



468-274



TiN coated contact points (*-10" suffix models only)

DIMENSIONS AND MASS

Range	L	Mass (g)
6 - 8mm / .275 - .35"	59	400
8 - 10mm / .35 - .425"	59	400
10 - 12mm / .425 - .5"	59	400
12 - 16mm / .5 - .65"	84	430
16 - 20mm / .65 - .8"	84	430
20 - 25mm / .8 - 1"	93	500
25 - 30mm / 1 - 1.2"	93	510
30 - 40mm / 1.2 - 1.6"	103.8	510
40 - 50mm / 1.6 - 2"	103.8	530
50 - 63mm / 2 - 2.5"	105.4	650
62 - 75mm / 2.5 - 3.0"	105.4	660
75 - 88mm / 3.0 - 3.5"	105.4	990
87 - 100mm / 3.5 - 4.0"	105.4	1000
100 - 125mm / 4 - 5"	151.4	970
125 - 150mm / 5 - 6"	151.4	1060
150 - 175mm / 6 - 7"	151.4	1150
175 - 200mm / 7 - 8"	151.4	1240
200 - 225mm / 8 - 9"	151.4	1330
225 - 250mm / 9 - 10"	151.4	1420
250 - 275mm / 10 - 11"	151.4	1510
275 - 300mm / 11 - 12"	151.4	1600

Unit: mm

Measuring a Blind Hole

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

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



Technical Data

Accuracy: Refer to the list of specifications.
 Resolution: 0.001mm or .00005"/0.001mm
 (over 4 - 5" models: .0001"/0.001mm)
 Contact point: TiN coating
 Measuring method: Three-point method
 Display: LCD
 Battery: SR44 (2 pcs.), **938882**
 Battery life: Approx. 8 months under normal use

Function

Zero/ABS, Auto Power On/Off, Data hold, Data output, Preset, inch/mm conversion (on inch/metric models only)
 Alarm: Low voltage, Counting value composition error

Optional Accessories

- 05CZA662:** SPC cable (1m / 40")
- 05CZA663:** SPC cable (2m / 80")
- 04AZB157:** Mounting plate for stand
- 156-101-10:** Stand
- 952322:** Extension rod 100mm / 3.94"
For range 6-12mm / .275 - .5" models
- 952621:** Extension rod 150mm / 5.9"
For range 12-20mm / .5" - .8" models
- 952622:** Extension rod 150mm / 5.9"
For range 20-50mm / .8" - 2" models
- 952623:** Extension rod 150mm / 5.9"
For range 50-300mm / 2" - 12" models



04AZB157

02AZD790B: Connection cable for U-Wave-T standard (160mm)
 Refer to page A-13 for details.

SPECIFICATIONS

Metric with TiN coated contact points

Range	Accuracy	Order Code	
		Individual	Main Body Assembly
6-8	±2μm	468-161	04AZB106
8-10		468-162	
10-12		468-163	
12-16		468-164	
16-20		468-165	
20-25	±3μm	468-166	04AZB107
25-30		468-167	
30-40		468-168	
40-50		468-169	
50-63		468-170	
62-75	±5μm	468-171	04AZB108
75-88		468-172	
87-100		468-173	
100-125		468-174	
125-150		468-175	
150-175	±3μm	468-176	04AZB109
175-200		468-177	
200-225		468-178	
225-250		468-179	
250-275		468-180	
275-300	468-181	468-181	04AZB110

Inch/Metric with TiN coated contact points

Range	Accuracy	Order Code	
		Individual	Main Body Assembly
.275-.35"/6.925-8.89mm	±.0001"	468-261	04AZB111
.35-.425"/8.89-10.795mm		468-262	
.425-.5"/10.795-12.7mm		468-263	
.5-.65"/12.7-16.51mm		468-264	
.65-.8"/16.51-20.32mm		468-265	
.8-1"/20.32-25.4mm	±.00015"	468-266	04AZB112
1-1.2"/25.4-30.48mm		468-267	
1.2-1.6"/30.48-40.64mm		468-268	
1.6-2"/40.64-50.8mm		468-269	
2-2.5"/50.8-63.5mm		468-270	
2.5-3"/63.5-76.2mm	±.00025"	468-271	04AZB113
3-3.5"/76.2-88.9mm		468-272	
3.5-4"/88.9-101.6mm		468-273	
4-5"/101.6-127mm		468-274	
5-6"/127-152.4mm		468-275	
6-7"/152.4-177.8mm	±.00025"	468-276	04AZB114
7-8"/177.8-203.2mm		468-277	
8-9"/203.2-228.6mm		468-278	
9-10"/228.6-254mm		468-279	
10-11"/254-279.4mm		468-280	
11-12"/279.4-304.8mm	468-281	468-281	04AZB115

Complete Unit Set

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

Metric with TiN coated contact points

Range	Order No.	Individual range	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 with TiN coated contact points

Range	Order No.	Individual range	Setting rings included	Remarks
.275 - .5" / 6.925 - 12.7mm	468-986	.275-.35", .35-.425", .425-.5"	.35" DIA., .425" DIA.	—
.5 - 1" / 12.7 - 25.4mm	468-987	.5-.65", .65-.8", .8-1"	.65" DIA., .8" DIA.	—
1 - 2" / 25.4 - 50.8mm	468-988	1-1.2", 1.2-1.6", 1.6-2"	1.2" DIA., 1.6" DIA.	—
2 - 3" / 50.8 - 76.2mm	468-989	2-2.5", 2.5-3"	2.5" DIA.	—
3 - 4" / 76.2 - 101.6mm	468-990	3-3.5", 3.5-4"	3.5" DIA.	—

Interchangeable Head Set

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

Metric with TiN coated contact points

Range	Order No.	Individual range	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 with TiN coated contact points

Range	Order No.	Individual range	Setting rings included	Remarks
.275 - .5" / 6.925 - 12.7mm	468-976	.275-.35", .35-.425", .425-.5"	.35" DIA., .425" DIA.	with extension rod
.5 - .8" / 12.7 - 20.32mm	468-977	.5-.65", .65-.8"	.65" DIA.	with extension rod
.8 - 2" / 20.32 - 50.8mm	468-978	.8-1", 1-1.2", 1.2-1.6", 1.6-2"	1" DIA., 1.6" DIA.	with extension rod
2 - 4" / 50.8 - 101.6mm	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" / 101.6 - 203.2mm	468-980	4-5", 5-6", 6-7", 7-8"	5" DIA., 7" DIA.	with extension rod



468-986



468-978