

Digimatic Holtest
SERIES 468 — Three-point Bore Micrometers

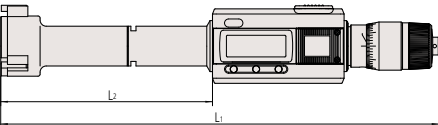
- These three-point bore Digimatic micrometers for inside measurement are suitable for highly accurate measurements.
- Can measure deep holes using an extension rod (optional).
- Can measure close to the bottom of a blind hole.
- Titanium-coated measuring pins provide excellent durability and impact resistance.
- Two values can be preset as a reference point, allowing you to store multiple measured values of setting rings and to quickly prepare for measurement.

SPECIFICATIONS

Metric				
Code No.	Range*2 (mm)	Resolution (mm)	Maximum permissible error J _{MPE} (μm)*1	Extension Rod (optional)
468-161	6 - 8	0.001	±2 (maximum difference 2)	952322 (100 mm)
468-162	8 - 10			
468-163	10 - 12			
468-164	12 - 16		±3 (maximum difference 3)	952621 (150 mm)
468-165	16 - 20			
468-166	20 - 25			
468-167	25 - 30			
468-168	30 - 40			
468-169	40 - 50			
468-170	50 - 63			
468-171	62 - 75			
468-172	75 - 88			
468-173	87 - 100		±5 (maximum difference 5)	952623 (150 mm)
468-174	100 - 125			
468-175	125 - 150			
468-176	150 - 175			
468-177	175 - 200			
468-178	200 - 225		±6 (maximum difference 6)	
468-179	225 - 250			
468-180	250 - 275			
468-181	275 - 300			

- Power source: SR44 battery (1 pc.), 938882 included as standard (for operational checks)
 - Battery life: Approx. 1.2 years under normal use
 - Position detection method: Electromagnetic induction-type rotary encoder
 - *1 Additionally, the difference in permissible error allowable is limited to a value within this range, as given in parentheses, and is measured with the entire measuring surface in contact with the object measured.
 - *2 The measurement range cannot be enlarged by measuring heads that are not standard-supplied (the accuracy is not guaranteed).
- Note: Setting rings are optional.

DIMENSIONS



Unit: mm

Range	L2*	L1
6 - 8, 8 - 10, 10 - 12 mm	59	175 - 177
12 - 16, 16 - 20 mm	84	197 - 201
20 - 25, 25 - 30 mm	93	206 - 211
30 - 40, 40 - 50 mm	103	214 - 224
50 - 63, 62 - 75, 75 - 88, 87 - 100 mm	105	219 - 232
100 - 125, 125 - 150, 150 - 175, 175 - 200, 200 - 225, 225 - 250, 250 - 275, 275 - 300 mm	151	286 - 311

* L2 is maximum depth of measurement possible.
Note: External view differs depending on measurement range.



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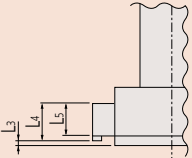


Measurement example



Reference dimensions when measuring a blind hole

Range (mm)	L3 (mm)	L4 (mm)	L5 (mm)
6 - 12	2 or below	—	2.5
12 - 20		5.6	3.5
20 - 30	0.3 or below	8.3	5.2
30 - 50		13.0	10.0
50 - 100		17.0	14.0
100 - 300	12.4 or below	21.0	13.8



Functions

- Zero-setting
- Origin restoration
- Data hold
- 2-point Preset
- Function lock
- inch/mm readout (inch/mm type)
- Automatic power ON/OFF
- Error alarm
- Data output

Optional Accessories

Code No.	Type	description
264-020	—	USB Input Tool Series USB Keyboard Signal Conversion Type IT-020U
05CZA662	B	Connection cable (1 m)
05CZA663	B	Connection cable (2 m)
06AFM380B	B	USB Input Tool Direct (2 m)
02AZD730*	IP67	U-WAVE-T
02AZD880*	Buzzer	U-WAVE-T
02AZD790B	B	Connection cable for U-WAVE-T (160 mm)
02AZE140B	B	Connection cable for U-WAVE-T For foot switch

* Add suffix to Code No.; **G** for Asia, Europe and the Americas, **H** for Brazil and **J** for Korea.

Mounting bracket (optional)

A bracket used to fix a micrometer on the MS-R micrometer stand.
04AZB157



For details of Special-order Products, refer to page 13-16.