

Measurement example



Functions

Zero-setting
Origin restoration
Data hold
Function lock
Automatic power ON/OFF
2-point Preset
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.

Tubular Inside Micrometers SERIES 339 — Extension-Pipe Type

- Wide range of inside measurements possible by combining Extension Pipes and anvils with the micrometer head.
- An optional inside-length standard is required for accurately setting the micrometer before measurement.
- Carbide-tipped measuring faces.
- IP65 (water-proof) protection level that enables use in the presence of cutting fluid.



339-301

SPECIFICATIONS

Metric							
Code No.	Range (mm)	Resolution (mm)	Spindle feed error* (μm)	Micrometer head stroke (mm)	Qty	Extension pipes Size (mm)	Display unit (mm)
339-101	200 - 225	0.001	3	25	—	—	200 - 225
339-301	200 - 1000				5	25, 50, 100, 200, 400	
339-302	200 - 2000				8	25, 50, 100, 200 (2 pcs.), 400 (3 pcs.)	

Inch / Metric							
Code No.	Range (in)	Resolution	Spindle feed error* (in)	Micrometer head stroke (in)	Qty	Extension pipes Size (in)	Display unit (in)
339-102	8 - 9	0.0001 in/ 0.001 mm	0.00015	1	—	—	8 - 9
339-303	8 - 40				5	1, 2, 4, 8, 16	
339-304	8 - 80				8	1, 2, 4, 8 (2 pcs.), 16 (3 pcs.)	

- 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
- * "Spindle feed error" refers to the difference between the maximum and minimum indication error values within the measuring range of the micrometer head

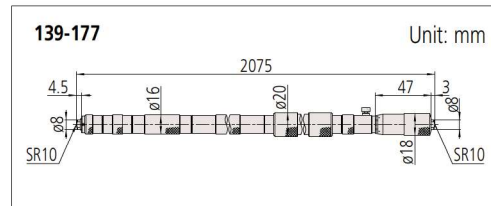
Inside Micrometers

- Wide range of inside measurements possible by combining Extension Pipes and anvils with the micrometer head.
- An optional inside-length standard is required for accurately setting the micrometer before measurement.
- Carbide-tipped measuring faces.



139-177

DIMENSIONS



SPECIFICATIONS

Metric						
Code No.	Range (mm)	Graduation (mm)	Spindle feed error* (μm)	Micrometer head stroke (mm)	Extension pipes	Main unit (mm)
					Qty Size (mm)	
139-173	100 - 500	0.01	3	25	4 25, 50, 100, 200	100 - 125
139-174	100 - 900				5 25, 50, 100, 200, 400	
139-175	100 - 1300				6 25, 50, 100, 200, 400 (2 pcs.)	
139-176	100 - 1700				7 25, 50, 100, 200, 400 (3 pcs.)	
139-177	100 - 2100				8 25, 50, 100, 200, 400 (4 pcs.)	

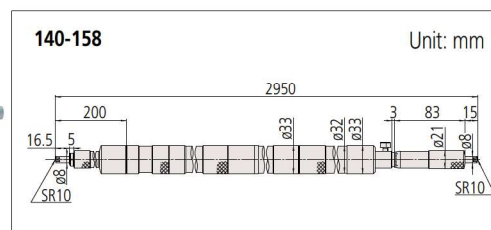
Inch							
Code No.	Range (in)	Graduation (in)	Spindle feed error* (in)	Micrometer head stroke (in)	Extension pipes		Main unit (in)
					Qty	Size (in)	
139-178	4 - 20	0.001	0.00015	1	4	1, 2, 4, 8	4 - 5
139-179	4 - 36				5	1, 2, 4, 8, 16	
139-180	4 - 52				6	1, 2, 4, 8, 16 (2 pcs.)	
139-181	4 - 68				7	1, 2, 4, 8, 16 (3 pcs.)	
139-182	4 - 84				8	1, 2, 4, 8, 16 (4 pcs.)	

* "Spindle feed error" refers to the difference between the maximum and minimum indication error values within the measuring range of the micrometer head

DIMENSIONS



140-158



SPECIFICATIONS

Metric						
Code No.	Range (mm)	Graduation (mm)	Spindle feed error* (μm)	Micrometer head stroke (mm)	Qty	Extension pipes Size (mm)
140-157	1000 - 2000	0.01	6	50	5	50, 100 (2 pcs.), 200, 500
140-158	1000 - 3000				6	50, 100 (2 pcs.), 200, 500, 1000
140-159	1000 - 4000				7	50, 100 (2 pcs.), 200, 500, 1000 (2 pcs.)
140-160	1000 - 5000				8	50, 100 (2 pcs.), 200, 500, 1000 (3 pcs.)

Inch								
Code No.	Range (in)	Graduation (in)	Spindle feed error* (in)	Micrometer head stroke (in)	Extension pipes		Main unit (in)	
					Qty	Size (in)		
140-161	40 - 80	0.001	0.0003	2	5	2, 4 (2 pcs.), 8, 20	40 - 42	
140-162	40 - 120				6	2, 4 (2 pcs.), 8, 20, 40		
140-163	40 - 160				7	2, 4 (2 pcs.), 8, 20, 40 (2 pcs.)		
140-164	40 - 200				8	2, 4 (2 pcs.), 8, 20, 40 (3 pcs.)		

* "Spindle feed error" refers to the difference between the maximum and minimum indication error values within the measuring range of the micrometer head

Tubular Inside Micrometers
SERIES 139 — Extension-Pipe Type (main unit)

- Micrometer head for Extension-Pipe Type inside micrometer.
- Reference point setting is necessary.
- An optional inside-length standard, such as Gauge Block Accessory Set, CERA Inside Micro Checker or a setting ring, is required for accurately setting the micrometer before measurement. (refer to pages 01-19 to 01-22, 08-28, and 08-52 for details)



139-001

SPECIFICATIONS

Metric				
Code No.	Range (mm)	Spindle feed error* (μm)	Graduation (mm)	Micrometer head stroke (mm)
139-001	100 - 125	3	0.01	25

Inch				
Code No.	Range (in)	Spindle feed error* (in)	Graduation (in)	Micrometer head stroke (in)
139-002	4 - 5	0.00015	0.001	1

* "Spindle feed error" refers to the difference between the maximum and minimum indication error values within the specification range of the micrometer head

DIMENSIONS

