

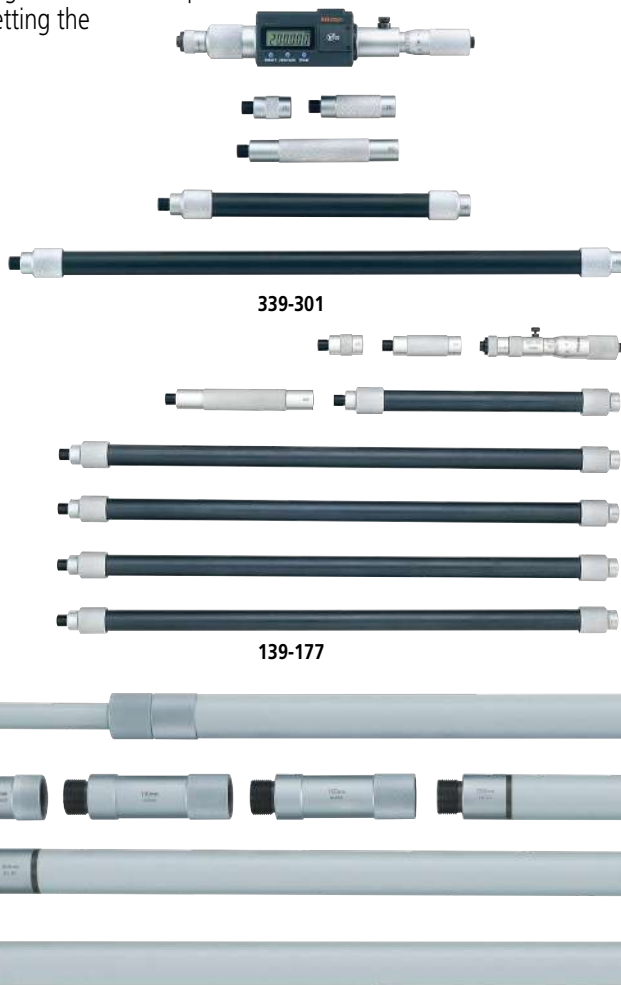
# Inside Micrometers

For easy and accurate measurement of inside size and diameter

## Tubular Inside Micrometers SERIES 139, 339, 140 — Extension Pipe Type

**MeasurLink® ENABLED**  
Data Management Software by Mitutoyo

- Wide range of inside measurements possible by combining Extension Pipes and anvils with the micrometer head.
- Carbide measuring faces.
- The sleeve is rotated to adjust the reference point adjustment when setting to a length standard.
- An inside length standard is required for accurately setting the micrometer.
- Order No. 339-101/301/302/102/303/304 features:
  - IP65 (water-proof) protection level that enables use in the presence of cutting fluid.
  - A large-character LCD display.
  - Storage of 2 preset values for use when setting to an inside length standard.
  - A function lock that prevents accidental changing of the reference setting during measurement.



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Products equipped with the measurement data output function can be connected to the measurement data network system MeasurLink® (refer to page A-25 for details).

**IP 65**

These marks indicate that a product has successfully passed IP65-level testing, which is carried out by the independent German certification organization TÜV Rheinland.

**TÜVRheinland**  
CERTIFIED

Dust- and  
Water-  
Protected

www.tuv.com  
ID 0000021605

### IP Codes

**Level 6:** Dust-proof.

No ingress of dust allowed.

**Level 5:** Protected against water jets.

Water projected in jets against the enclosure from any direction shall have no harmful effects.

### Technical Data

- Spindle feed error 3 μm/0.00015 in (**139, 339** Series)  
6 μm/0.0003 in (**140** Series)

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



### Functions (for 339-101/301/302/102/303/304)

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

### Technical Data

- Battery and Scale Type  
(for 339-101/301/302/102/303/304)  
SR44 (1 pc.), **938882**, for initial operational checks (standard accessory)
- Battery life: Approx. 1.2 years under normal use
- Scale type: Electromagnetic induction-type rotary encoder

### Optional Accessories

Refer to page A-21 for details.

- Connecting cables with **IT / DP / MUX**, etc.  
1 m: **05CZA662**  
2 m: **05CZA663**
- **USB** Input Tool Direct (2 m): **06AFM380B**
- Connecting cables for **U-WAVE-T**  
For standard (160 mm): **02AZD790B**  
For foot switch: **02AZE140B**

## SPECIFICATIONS

140-158

Metric						
Order No.	Range (mm)	Resolution (mm)	Micrometer head stroke (mm)	Extension pipes Qty	Extension pipes Size (mm)	Display unit (mm)
Digimatic (LCD)						
<b>339-101</b>	200 - 225	0.001	25	—	—	200 - 225
<b>339-301</b>	200 - 1000			5	25, 50, 100, 200, 400	
<b>339-302</b>	200 - 2000			8	25, 50, 100, 200 (2 pcs.), 400 (3 pcs.)	

Metric						
Order No.	Range (mm)	Graduation (mm)	Micrometer head stroke (mm)	Extension pipes Qty	Extension pipes Size (mm)	Main unit (mm)
Analog						
<b>139-173</b>	100 - 500	0.01	25	4	25, 50, 100, 200	100 - 125
<b>139-174</b>	100 - 900			5	25, 50, 100, 200, 400	
<b>139-175</b>	100 - 1300			6	25, 50, 100, 200, 400 (2 pcs.)	
<b>139-176</b>	100 - 1700			7	25, 50, 100, 200, 400 (3 pcs.)	
<b>139-177</b>	100 - 2100			8	25, 50, 100, 200, 400 (4 pcs.)	
<b>140-157</b>	1000 - 2000			5	50, 100 (2 pcs.), 200, 500	1000 - 1050
<b>140-158</b>	1000 - 3000			6	50, 100 (2 pcs.), 200, 500, 1000	
<b>140-159</b>	1000 - 4000			7	50, 100 (2 pcs.), 200, 500, 1000 (2 pcs.)	
<b>140-160</b>	1000 - 5000	8	50, 100 (2 pcs.), 200, 500, 1000 (3 pcs.)			

Inch/Metric						
Order No.	Range (in)	Resolution	Micrometer head stroke (in)	Extension pipes Qty	Extension pipes Size (in)	Display unit (in)
Digimatic (LCD)						
<b>339-102</b>	8 - 9	0.0001 in/ 0.001 mm	1	—	—	8 - 9
<b>339-303</b>	8 - 40			5	1, 2, 4, 8, 16	
<b>339-304</b>	8 - 80			8	1, 2, 4, 8 (2 pcs.), 16 (3 pcs.)	

Inch						
Order No.	Range (in)	Graduation (in)	Micrometer head stroke (in)	Extension pipes Qty	Extension pipes Size (in)	Main unit (in)
Analog						
<b>139-178</b>	4 - 20	0.001	1	4	1, 2, 4, 8	4 - 5
<b>139-179</b>	4 - 36			5	1, 2, 4, 8, 16	
<b>139-180</b>	4 - 52			6	1, 2, 4, 8, 16 (2 pcs.)	
<b>139-181</b>	4 - 68			7	1, 2, 4, 8, 16 (3 pcs.)	
<b>139-182</b>	4 - 84			8	1, 2, 4, 8, 16 (4 pcs.)	
<b>140-161</b>	40 - 80			5	2, 4 (2 pcs.), 8, 20	40 - 42
<b>140-162</b>	40 - 120			6	2, 4 (2 pcs.), 8, 20, 40	
<b>140-163</b>	40 - 160			7	2, 4 (2 pcs.), 8, 20, 40 (2 pcs.)	
<b>140-164</b>	40 - 200	8	2, 4 (2 pcs.), 8, 20, 40 (3 pcs.)			