Inside Micrometers

Tubular Inside Micrometers
SERIES 137, 337 — Extension-Rod Type

- Wide range of inside measurements possible by combining extension rods and anvils with the micrometer head.
- A reference gage is necessary for reference point setting.
- Two types of measuring faces are available: with or without carbide tip. (The SERIES **337** is only available with carbide tip)

- An optional reference gage, such as Gauge Block Accessory Set, CERA inside Micro Checker or a setting ring (nominal size 300 mm or less), is required for accurately setting the micrometer before measuring. (refer to pages 01-19 to 01-22, and 08-53 for details)

MeasurLink® ENABLED
Data Management Software by Mitutoyo

IP 65

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Applicable models:
SERIES **337**

Measurement example

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

337-301

SPECIFICATIONS

Metric

Code No.	Range (mm)	Resolution (mm)	Spindle feed error* (µm)	Micrometer head stroke (mm)	Extension rods		Display unit (mm)
					Qty	Size (mm)	
337-101	200 - 225				—	—	
337-301	200 - 1000	0.001	3	25	6	25, 50, 100 (2 pcs.), 200, 300	200 - 225
337-302	200 - 1500				7	25, 50, 100, 200, 300 (3 pcs.)	

Inch / Metric

Code No.	Range (in)	Resolution	Spindle feed error* (in)	Micrometer head stroke (in)	Extension rods		Display unit (in)
					Qty	Size (in)	
337-102	8 - 9				—	—	
337-303	8 - 40	0.0001 in/ 0.001 mm	0.00015	1	6	1, 2, 4 (2 pcs.), 8, 12	8 - 9
337-304	8 - 60				7	1, 2, 4, 8, 12 (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

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.

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