

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.
- Two types of measuring faces are available; with or without carbide tip. (The **337** Series is only available with carbide tip)
- 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.



337-301

SPECIFICATIONS

Metric

Order 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	0.001	3	25	—	—	200 - 225
337-301	200 - 1000				6	25, 50, 100 (2 pcs.), 200, 300	
337-302	200 - 1500				7	25, 50, 100, 200, 300 (3 pcs.)	

Inch / Metric

Order No.	Range (in)	Resolution	Spindle feed error* (in)	Micrometer head stroke (in)	Extension rods		Display unit (in)
					Qty	Size (in)	
337-102	8 - 9	0.0001 in/ 0.001 mm	0.00015	1	—	—	8 - 9
337-303	8 - 40				6	1, 2, 4 (2 pcs.), 8, 12	
337-304	8 - 60				7	1, 2, 4, 8, 12 (3 pcs.)	

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

MeasurLink[®] ENABLED
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Applicable models:
SERIES 337

Measurement example

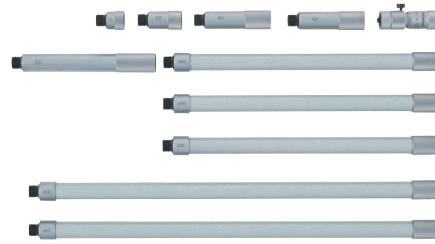


Functions

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

Optional Accessories

Order No.	Type	description
05CZA662	B	Connecting cable (1 m)
05CZA663	B	Connecting cable (2 m)
06AFM380B	B	USB Input Tool Direct (2 m)
02AZD790B	B	Connecting cables for U-WAVE-T (160 mm)
02AZE140B	B	Connecting cables for U-WAVE-T For foot switch



137-205

SPECIFICATIONS

Metric

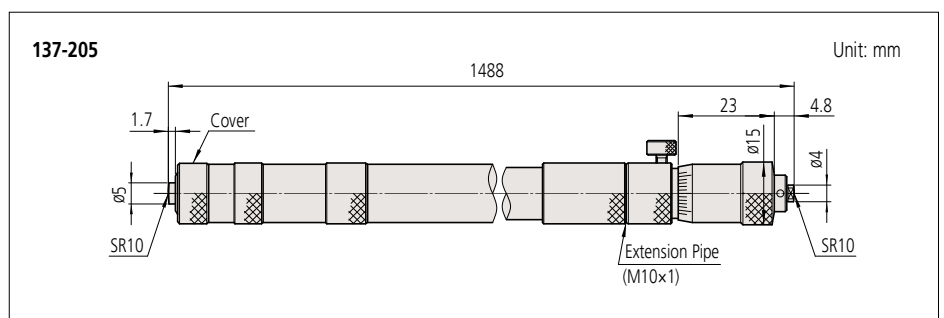
Order No.	Range (mm)	Graduation (mm)	Spindle feed error* (μm)	Micrometer head stroke (mm)	Extension rods		Main unit (mm)
					Qty	Size (mm)	
137-201	50 - 150	0.01	3	13	3	13, 25, 50	50 - 63
137-202	50 - 300				5	13, 25, 50 (2 pcs.), 100	
137-203	50 - 500				6	13, 25, 50 (2 pcs.), 100, 200	
137-204	50 - 1000				8	13, 25, 50 (2 pcs.), 100, 200 (2 pcs.), 300	
137-205	50 - 1500				10	13, 25, 50 (2 pcs.), 100, 200 (3 pcs.), 300 (2 pcs.)	
With carbide measuring face							
137-206	50 - 150	0.01	3	13	3	13, 25, 50	50 - 63
137-207	50 - 300				5	13, 25, 50 (2 pcs.), 100	
137-208	50 - 500				6	13, 25, 50 (2 pcs.), 100, 200	
137-209	50 - 1000				8	13, 25, 50 (2 pcs.), 100, 200 (2 pcs.), 300	
137-210	50 - 1500				10	13, 25, 50 (2 pcs.), 100, 200 (3 pcs.), 300 (2 pcs.)	

Inch

Order No.	Range (in)	Graduation (in)	Spindle feed error* (in)	Micrometer head stroke (in)	Extension rods		Main unit (in)
					Qty	Size (in)	
137-211	2 - 6	0.001	0.00015	0.5	3	0.5, 1, 2	2 - 2.5
137-212	2 - 12				5	0.5, 1, 2 (2 pcs.), 4	
137-213	2 - 20				6	0.5, 1, 2 (2 pcs.), 4, 8	
137-214	2 - 40				8	0.5, 1, 2 (2 pcs.), 4, 8 (2 pcs.), 12	
137-215	2 - 60				10	0.5, 1, 2 (2 pcs.), 4, 8 (3 pcs.), 12 (2 pcs.)	
With carbide measuring face							
137-216	2 - 6	0.001	0.00015	0.5	3	0.5, 1, 2	2 - 2.5
137-217	2 - 12				5	0.5, 1, 2 (2 pcs.), 4	
137-218	2 - 20				6	0.5, 1, 2 (2 pcs.), 4, 8	
137-219	2 - 40				8	0.5, 1, 2 (2 pcs.), 4, 8 (2 pcs.), 12	
137-220	2 - 60				10	0.5, 1, 2 (2 pcs.), 4, 8 (3 pcs.), 12 (2 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



Inside Micrometers

Tubular Inside Micrometers SERIES 137 — Extension-Rod Type (main unit)

- Micrometer head for Extension-Rod Type inside micrometer.
- The sleeve is rotated to adjust the reference point adjustment when setting to a length standard.
- Optional Setting Rings and Gauge Block Accessory Sets are available as reference gages for datum adjustment. (Refer to pages C-52 and E-17 to E-20 for details)



137-011

SPECIFICATIONS

Metric				
Order No.	Range (mm)	Spindle feed error* (μm)	Graduation (mm)	Micrometer head stroke (mm)
137-011	50 - 63	3	0.01	13
Carbide-tipped 137-013				

Inch				
Order No.	Range (in)	Spindle feed error* (in)	Graduation (in)	Micrometer head stroke (in)
137-012	2 - 2.5	0.00015	0.001	0.5
Carbide-tipped 137-014				

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

DIMENSIONS

