

Inside Micrometers

SERIES 337 – Digimatic Extension Tube Inside Micrometer

- Wide range of inside measurements possible by combining extension tubes with the micrometer head.
- The sleeve is rotated to adjust the index line position when setting to a length standard.
- An optional inside-length standard, such as a setting ring or Inside Micro Checker (see pages C-37 to C-38 or page C-24, respectively), is required for accurately setting the micrometer before measurement.

337-303/304 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.
- An output port for measurement data that enables inclusion in a statistical process control or networked measurement system.
- Ability to use Interface Input Tools that enable conversion of measurement data to keyboard signals that are then directly input to cells in off-the-shelf spreadsheet software.

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MeasurLink ENABLED
Data Management Software by Mitutoyo

IP 65

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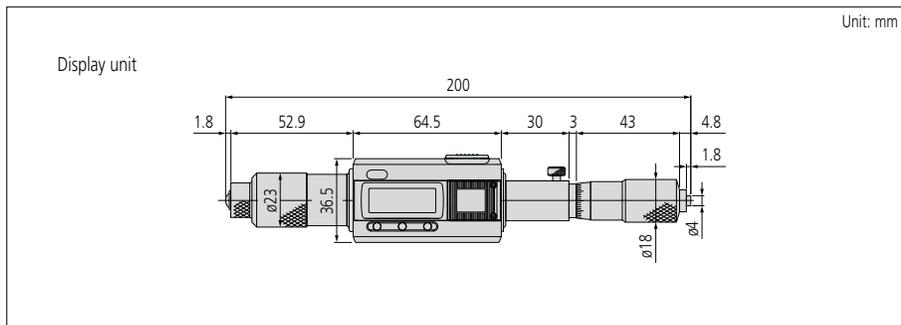
337-303

Specifications

Inch/Metric

Code No.	Range	Micrometer head stroke	Extension tubes	Display unit
337-102	8-9" (203.2 - 228.6 mm)	1" (25 mm)	—	8-9" (200 - 225 mm)
337-303	8-40" (203.2 - 1016 mm)		1", 2", 4" (2 pcs.), 8", 12"	
337-304	8-60" (203.2 - 1524 mm)		1", 2", 4", 8", 12" (3 pcs.)	

Dimensions



Technical Data

Dust/water protection level: IP65 (IEC60529)
Resolution: 0.001 mm / .0001"
Battery: SR44 (1 pc) **938882**
Accuracy*1: $\pm(3+n+L/50) \mu\text{m}^{*2}$ / $\pm[.00015+.00005n+.00005(L/2)]''^{*2}$

*1 Excluding quantizing error.

*2 n = number of tubes, L = maximum measuring length (mm/inch)

Note: Fractions rounded up

Functions (for 337-303/304)

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

Optional Accessories

Code No.	Description
02AZD790B	U-WAVE-T data cable with pushbutton (160 mm)
02AZE140B	U-WAVE-T data cable with pushbutton and footswitch connection (160/500 mm)
05CZA662	SPC data cable with pushbutton (1 m)
05CZA663	SPC data cable with pushbutton (2 m)
06AFM380B	USB Input Tool Direct USB-ITN-B (2 m)

Setting rings (up to $\phi 300$ mm / $\phi 12''$) refer to pages C-37 to C-38.



Using a setting ring to accurately set an inside micrometer.