Micrometer

The origin of Mitutoyo's trustworthy brand of small tool instruments

Disk Micrometers SERIES 369, 227, 169 — Non-Rotating Spindle Type

- Measures "root tangent length" of spur gears and helical gears.
- Determination of the root tangent length: refer to "Quick Guide to Precision Measuring Instruments".
- Non-rotating spindle type.
- Measurable range of gear pitch: 0.5 to 6 module (series 227: 0.4 to 3 module).
- Equipped with Ratchet Stop for constant measuring force.
- Supplied with a setting standard (except for 0-25mm/0-1" measuring range).



SPECIFICATIONS

Metric										
	Order No.	Range	Resolution	Accuracy*	Anvil dia.	Flatness	Parallelism	Measuring force		
Digimatic (LCD)	369-250-30	0 - 25mm		±4µm	ø20 ø14.3	1µm	Aum			
	369-251-30	25 - 50mm					4µm			
	369-252-30	50 - 75mm		±6µm			6µm			
	369-253-30	75 - 100mm					υμπ			
Quickmike type (LCD) Quickmike type adjustable measuring force (LCD)	369-411	0 - 30mm	0.001mm				4µm			
	369-412	25 - 55mm								
	227-221	0 - 15mm		±4µm			Зµm	0.5N - 2.5N		
	227-223	0 - 10mm						2N - 10N		
• End office a condition condition										

* Excluding guantizing error Motric

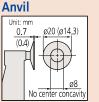
		Order No.	Range	Graduation	Accuracy	Anvil dia.	Flatness	Parallelism	Measuring force
Analog	169-201	0 - 25mm	0.01mm	±4µm ±6µm	- ø20	1µm	4μm 6μm		
	169-202	25 - 50mm							
	169-205	50 - 75mm							
	169-207	75 - 100mm							

Inch/Metric	I							
	Order No.	Range	Resolution	Accuracy*	Anvil dia.	Flatness	Parallelism	Measuring force
Digimatic (LCD)	369-350-30	0 - 1 "	.00005"/ 0.001mm	±.0002" ±.0003"	ø20	.00004"	.0002"	
	369-351-30	1" - 2"						
	369-352-30	2" - 3"						_
	369-353-30	3" - 4"					.0005	
Quickmike type (LCD)	369-421	0 - 1.2"		±.0002"			.0002"	
	369-422	1" - 2.2"					.0002	_

* Excluding quantizing error

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inch							
	Order No.	Range	Graduation	Accuracy	Anvil dia.	Flatness	Parallelism
Analog	169-203	0 - 1"	.001 "	±.0002"	ø20	.00004"	.0002 "
	169-204	1" - 2"					
	169-206	2" - 3"		±.0003"	020		.0003"
	169-208	3" - 4"					.0005



(): Adjustable measuring force type

Battery for series 369 and 227

SR44 (1 pc), 938882, for initial operational checks (standard accessory) Battery life: Approx. 2.4 years under normal use (for series 369-2XX, 3XX) Approx. 1 year under normal use (for series 369-4XX) Approx. 3 years under normal use (for series 227-2XX)

Length standard: Electromagnetic rotary sensor (for series 369-2XX, 3XX)

Electrostatic capacity absolute sensor (for series 369-4XX, 2XX)

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Standard accessories: Reference bar, 1 pc (except for measuring range 0-10mm / 0-15mm / 0-25mm / 0-30mm (0-1"/0-1.2") models) Spanner (301336), 1 pc (for series 169-2XX, 369-2XX, 3XX)

Screwdriver (No 210183), 1pc (for series 227-2XX)

Optional accessories

- Connecting cables for 369-250-30 to 369-253-30, 369-350-30 to 369-353-30 1m: 05CZA662
- 2m: 05CZA663
- USB Input Tool Direct
- USB-ITN-B (2m): **06ADV380B** SPC cables for U-WAVE w/ data switch (160mm): 02AZD790B

For foot switch: 02AZE140B

- (Refer to page B-68 for details.) SPC cables for Quickmike and micrometers with adjustable measuring force device 937387: SPC cable (1m)* 965013: SPC cable (2m)*
- only for Quickmike and micrometers with adjustable measuring force device 06ADV380E : USB Input Tool Direct with data switch(2m)

02AZD790E : SPC cable for U-WAVE (160mm) For footswitch: **02AZE140E**



Quickmike

Provides a speedy spindle feed of 10mm per thimble rotation, which enables widely differently sized features to be measured quickly.

Quickmike type with adjustable measuring force

Digimatic micrometer dedicated to applications requiring a constant/low measuring force such as measuring wire, paper, and plastic/rubber parts.



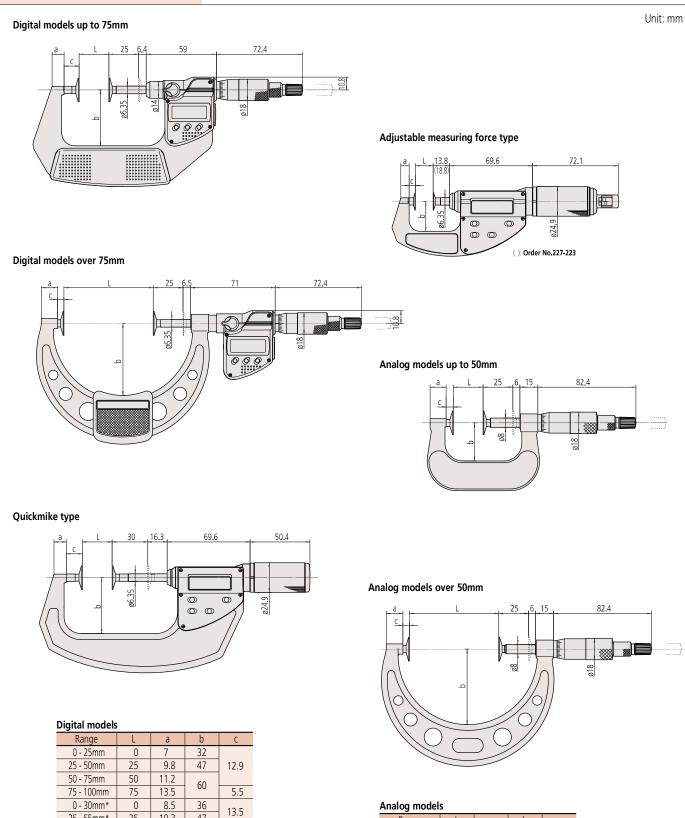


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DIMENSICias



Analog models									
Range	L	а	b	С					
0 - 25mm	0	13.8	25	5.7					
25 - 50mm	25		32	5.7					
50 - 75mm	50	12	49	5.5					
75 - 100mm	75	14	63	5.5					



25 - 55mm*

*Quickmike type

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