



Applicable models: 369-411-20/412-20

Measurement example



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
264-622	IP67	U-WAVE-TM
264-623	Buzzer	U-WAVE-TM
264-626	IP67	U-WAVE-TMB
264-627	Buzzer	U-WAVE-TMB
02AZF310	IP67/ buzzer	Connecting unit for U-WAVE-TM/TMB

Disk Micrometers
SERIES 369 — 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” on page B-80.
- Non-rotating spindle type.
- Measurable range of gear pitch: 0.5 to 6 module.
- Equipped with Ratchet Stop for constant measuring force.



Digimatic (LCD)
369-250-30

SPECIFICATIONS

Metric								
	Order No.	Range (mm)	Resolution (mm)	Anvil dia. (mm)	Maximum permissible error J_{MPE} (μm)	Flatness (μm)	Parallelism (μm)	Measuring force (N)
Digimatic (LCD)	369-250-30	0 - 25	0.001	20	±4	1	4	3 - 8
	369-251-30	25 - 50						
	369-252-30	50 - 75			±6		6	
	369-253-30	75 - 100						

Inch / Metric								
	Order No.	Range (in)	Resolution	Anvil dia. (in)	Maximum permissible error J_{MPE} (in)	Flatness (in)	Parallelism (in)	Measuring force (N)
Digimatic (LCD)	369-350-30	0 - 1	0.00005 in/ 0.001 mm	0.787	±0.0002	0.00004	0.0002	3 - 8
	369-351-30	1 - 2						
	369-352-30	2 - 3			±0.0003		0.0003	
	369-353-30	3 - 4						

- Battery: SR44 (1 pc.), 938882, for initial operational checks (standard accessory)
- Battery life: Approx. 2.4 years under normal use
- Length standard: Electromagnetic rotary sensor
- Standard accessories: Setting standard, 1 pc. (except for measuring range 0 to 25 mm (0 to 1 in) models) Spanner (301336), 1 pc.

Note 1: For functional details, refer to page B-7. Please note that these models are not water-proof.
Note 2: Root tangent length measurement is not available for some types of gears.

DIMENSIONS

Digimatic models up to 75 mm Unit: mm

Digimatic models over 75 mm

Range (mm)	L	a	b	c
0 - 25	0	7	32	12.9
25 - 50	25	9.8	47	
50 - 75	50	11.2	60	5.5
75 - 100	75	13.5		

Micrometer

Disk Micrometers SERIES 369, 227 — 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" on page B-80.
- 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.



Quickmike type (LCD)
369-411-20

SPECIFICATIONS

Metric								
	Order No.	Range (mm)	Resolution (mm)	Anvil dia. (mm)	Maximum permissible error J_{MPE} (μm)	Flatness (μm)	Parallelism (μm)	Measuring force (N)
Quickmike type (LCD)	369-411-20	0 - 30	0.001	20	± 4	1	4	3 - 8
	369-412-20	25 - 55		14.3				3
Quickmike type adjustable measuring force (LCD)	227-221-20	0 - 15					2 - 10	
	227-223-20	0 - 10						

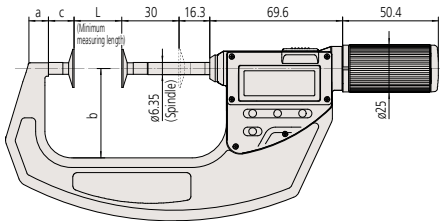
Inch / Metric								
	Order No.	Range (in)	Resolution	Anvil dia. (in)	Maximum permissible error J_{MPE} (in)	Flatness (in)	Parallelism (in)	Measuring force (N)
Quickmike type (LCD)	369-421-20	0 - 1.2	0.00005 in / 0.001 mm	0.787	± 0.0002	0.00004	0.0002	3 - 8
	369-422-20	1 - 2.2						

- Battery: SR44 (1 pc.), **938882**, for initial operational checks (standard accessory)
 - Battery life: Approx. 5 years under normal use
 - Length standard: Electrostatic capacity absolute sensor
 - Standard accessories: Setting standard, 1 pc. (except for measuring range 0 to 10 mm/0 to 15 mm/0 to 30 mm (0 to 1/0 to 1.2 in) models), Screwdriver (**210183**), 1 pc.
- Note: Root tangent length measurement is not available for some types of gears.

DIMENSIONS

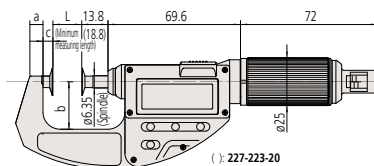
Quickmike type

Unit: mm



Range (mm)	L	a	b	c
0 - 30	0	8.5	36	13.5
25 - 55	25	10.3	47	

Quickmike adjustable measuring force type



Range (mm)	L	a	b	c
0 - 15	0	6.2	25	5.2
0 - 10	0			