Disk Micrometers
SERIES 323

- 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.
- Equipped with Ratchet Stop for constant measuring force.
- Supplied with a setting standard (except for 0 to 25 mm/0 to 1 in measuring range).

323-250-30

SPECIFICATIONS

Metric

Order No.	Range (mm)	Resolution (mm)	Maximum permissible error J_{MPE} (µm)	Flatness (µm)	Parallelism (µm)	Anvil dia. (mm)	Measurable module
Digimatic (LCD)							
323-250-30	0 - 25	0.001	±4	1	4	ø20	0.5 - 6
323-251-30	25 - 50						
323-252-30	50 - 75		±6		6		
323-253-30	75 - 100						

Inch / Metric

Order No.	Range (in)	Resolution	Maximum permissible error J_{MPE} (in)	Flatness (in)	Parallelism (in)	Anvil dia. (in)	Measurable module
Digimatic (LCD)							
323-350-30	0 - 1	0.00005 in/ 0.001 mm	±0.0002	0.00004	0.0002	0.787	0.5 - 6
323-351-30	1 - 2						
323-352-30	2 - 3		±0.0003		0.0003		
323-353-30	3 - 4						

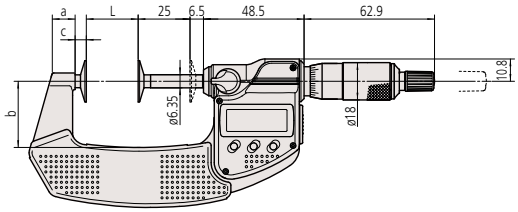
- Battery: SR44 (1 pc.), **938882**, for initial operational checks (standard accessory)
- Battery life: Approx. 2.4 years under normal use
- Length standard: Electromagnetic rotary sensor
- Standard accessories: Setting standard, 1 pc. (except for measuring range 0 to 25 mm (0 to 1 in) models), Spanner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

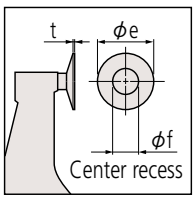
Note 1: Root tangent length measurement is not available for some types of gears.
Note 2: For functional details, refer to page B-7.
Optional connecting cable is available only for water-proof type (Digimatic model).

DIMENSIONS

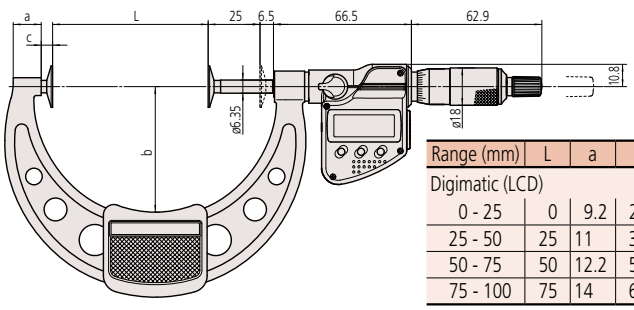
Digimatic models up to 75 mm measuring range

Unit: mm





Digimatic models up to 100 mm measuring range



Range (mm)	L	a	b	c	e	f	t
Digimatic (LCD)							
0 - 25	0	9.2	25	4.5	20	8	0.7
25 - 50	25	11	31	5.4			
50 - 75	50	12.2	50	5.5			
75 - 100	75	14	60				

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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**

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