

Mitutoyo



MEASURING INSTRUMENTS CATALOG



Micrometer

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

Blade Micrometers SERIES 422, 122 — Non-Rotating Spindle Type

MeasurLink[®] ENABLED
Data Management Software by Mitutoyo

- The anvil and spindle are blade-shaped for measuring the groove diameter of shafts, keyways, and other hard-to-reach features.
- Carbide-tipped measuring faces are available.
- Non-rotating spindle type.
- Equipped with Ratchet Stop for constant measuring force.



Digimatic (LCD)
422-230-30



122-101-10



Quickmike Type (LCD)

422-411-20

IP65
ABSOLUTE™

SPECIFICATIONS

Metric					
Order No.	Range (mm)	Resolution (mm)	Maximum permissible error J_{MPE} (μm)	Parallelism (μm)	Remark
Digimatic (LCD)					
422-230-30	0 - 25	0.001	±3	3	Type A
422-231-30	25 - 50				
422-232-30	50 - 75		±4	4	Type B
422-233-30	75 - 100				
422-260-30	0 - 25		±3	3	Type C
422-261-30	25 - 50				Type D
422-270-30	0 - 25				
422-271-30	0 - 25				

Metric Quickmike type					
Order No.	Range (mm)	Resolution (mm)	Maximum permissible error J_{MPE} (μm)	Parallelism (μm)	Remark
Digimatic (LCD)					
422-411-20	0 - 30	0.001	±3	3	Type A
422-412-20	25 - 55				

Metric					
Order No.	Range (mm)	Graduation (mm)	Maximum permissible error J_{MPE} (μm)	Parallelism (μm)	Remark
Analog					
122-101-10	0 - 25	0.01	±3	3	Type A
122-102-10	25 - 50				
122-103-10	50 - 75		±4	4	
122-104-10	75 - 100				
122-105-10	100 - 125		±5	5	
122-106-10	125 - 150				
122-107-10	150 - 175		±6	6	
122-108-10	175 - 200				
122-109-10	200 - 225		±3	3	Type B
122-110-10	225 - 250				
122-115-10	250 - 275	0.01	±3	3	Type C
122-116-10	275 - 300				
122-111-10	0 - 25				
122-112-10	25 - 50				
Analog (With carbide tip)					
122-161-10	0 - 25	0.01	±3	3	Type D
122-162-10	25 - 50				
122-141-10	0 - 25				
122-142-10	25 - 50				

Note: A heat shield is provided with Digimatic (LCD) and 122-101-10, 122-111-10, 122-125-10, 122-135-10, 122-141-10, 122-151-10 as standard.

Products equipped with the measurement data output function can be connected to the measurement data network system MeasurLink.



IP Codes (series 422 Quickmike type)

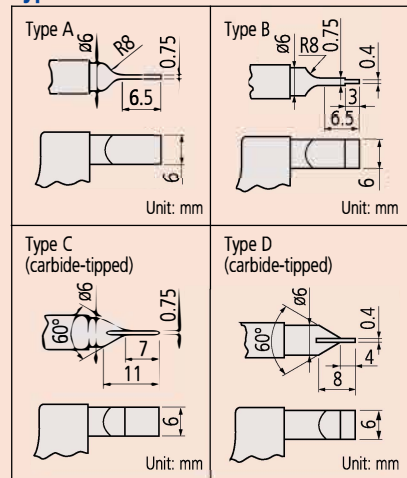
Level 6: Dust-proof.

No ingress of dust allowed.

Level 5: Protected against water jets.

Water projected in jets against the enclosure from any direction shall have no harmful effects.

Type and Dimensions



Inch/Metric					
Order No.	Range (in)	Resolution	Maximum permissible error J_{MPE} (in)	Parallelism (in)	Remark
Digimatic (LCD)					
422-330-30	0 - 1	0.00005 in/ 0.001 mm	±0.00015	0.00015	Type A
422-331-30	1 - 2				
422-332-30	2 - 3		±0.0002	0.0002	Type B
422-333-30	3 - 4				
422-360-30	0 - 1		±0.00015	0.00015	Type C
422-361-30	1 - 2				Type D
422-370-30	0 - 1				
422-371-30	0 - 1				

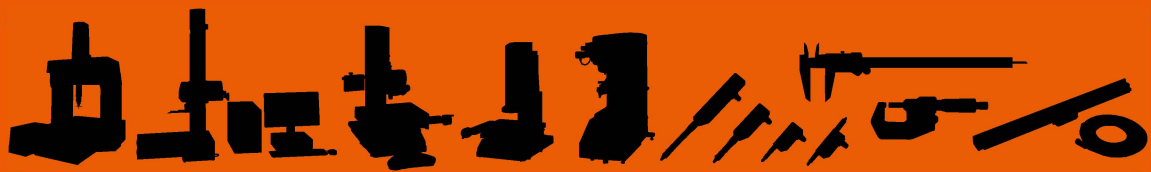
Inch/Metric Quickmike type					
Order No.	Range (in)	Resolution	Maximum permissible error J_{MPE} (in)	Parallelism (in)	Remark
Digimatic (LCD)					
422-421-20	0 - 1.2	0.00005 in/ 0.001 mm	±0.00015	0.00015	Type A

Inch					
Order No.	Range (in)	Graduation (in)	Maximum permissible error J_{MPE} (in)	Parallelism (in)	Remark
Analog					
122-125-10	0 - 1	0.0001	±0.00015	0.00015	Type A
122-126-10	1 - 2				
122-127-10	2 - 3		±0.0002	0.0002	
122-128-10	3 - 4				
122-135-10	0 - 1		±0.00015	0.00015	Type B
122-151-10	0 - 1				Type D

Note: A heat shield is provided with Digimatic (LCD) and 122-125-10, 122-135-10, 122-151-10 as standard.

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Mitutoyo reserves the right to change any or all aspects of any product specification, including prices, designs and service content, without notice.



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