

Outside Micrometer with Thermally Insulating Plate

Series 102

Cut-away frame behind anvil for measuring in hard to reach places. A ratchet stop or friction thimble guarantees repeatable measurement.



Only for 0-25, 25-50 mm

Specifications

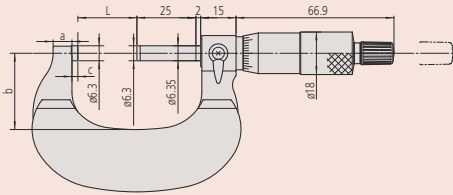
Measuring face	Carbide-tipped, micro-lap finish
Measuring spindle	With spindle lock, ϕ 6,35 mm, spindle pitch 0,5 mm
Scale	Thimble and sleeve satin chrome finish ϕ 18 mm
Delivered	Including box, key, setting standard (from 25 mm upward), certificate of inspection (0-50 mm range)



102-301



102-911-40



Metric

Graduation 0,001 mm is obtained with vernier on sleeve

No.	Range [mm]	Graduation	Max. Permissible Error J MPE	Flatness	Parallelism	Remarks	Measuring force [N]
102-311	0 - 25	0,001 mm	$\pm 1 \mu\text{m}$	0,3 μm	2 μm	Ratched Stop	5-10
102-312	25 - 50	0,001 mm	$\pm 1 \mu\text{m}$	0,3 μm	1 μm	Ratched Stop	5-10
102-313	0 - 25	0,001 mm	$\pm 1 \mu\text{m}$	0,3 μm	1 μm	Friction Thimble	5-10

No.	L [mm]	a [mm]	b [mm]	c [mm]	Mass [g]
102-311	0	5	26	2,5	180
102-312	25	7,8	32	2,5	270
102-313	0	5	26	2,5	180

Metric

Graduation 0,01 mm

No.	Range [mm]	Graduation	Max. Permissible Error J MPE	Flatness	Parallelism	Remarks	Measuring force [N]
102-301	0 - 25	0,01 mm	$\pm 2 \mu\text{m}$	0,6 μm	2 μm	Ratched Stop	5-10
102-302	25 - 50	0,01 mm	$\pm 2 \mu\text{m}$	0,6 μm	2 μm	Ratched Stop	5-10
102-303	50 - 75	0,01 mm	$\pm 2 \mu\text{m}$	0,6 μm	2 μm	Ratched Stop	5-10
102-304	75 - 100	0,01 mm	$\pm 3 \mu\text{m}$	0,6 μm	3 μm	Ratched Stop	5-10

No.	L [mm]	a [mm]	b [mm]	c [mm]	Mass [g]
102-301	0	5	26	2,5	180
102-302	25	7,8	32	2,5	270
102-303	50	10,6	45	2,5	375
102-304	75	11	58	2,5	490

Metric

Micrometer set

No.	Range [mm]	Graduation	Remarks	Content of Set	Mass [g]
102-911-40	0 - 100	0,01 mm	Ratched Stop	102-301, 102-302, 102-303, 102-304, 3 setting standards	1200