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



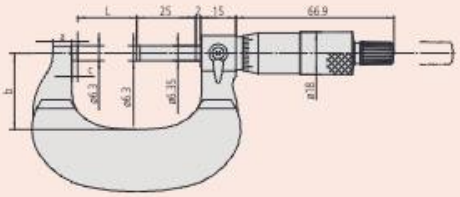
102-301



102-911-40

Specifications

Measuring face	Carbide-tipped, micro-lap finish
Measuring spindle	With spindle lock, ø 6,35 mm, spindle pitch 0,5 mm
Scale	Thimble and sleeve satin chrome finish ø18 mm
Delivered	Including box, key, setting standard (from 25 mm upward), certificate of inspection (0-50 mm range)



Metric Graduation 0.001 mm is obtained with vernier on sleeve

No.	Range [mm]	Graduation	Max. Permissible Error E MPE	Variation in length V MPE	Class EN ISO 3611	Remarks	Measuring force [N]
102-311	0–25	0,001 mm	±1 µm	2 µm	Class 1	Ratched Stop	5-10
102-312	25–50	0,001 mm	±1 µm	1 µm	Class 1	Ratched Stop	5-10
102-313	0–25	0,001 mm	±1 µm	1 µm	Class 1	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 E MPE	Variation in length V MPE	Class EN ISO 3611	Remarks	Measuring force [N]
102-301	0–25	0,01 mm	±2 µm	2 µm	Class 2	Ratched Stop	5-10
102-302	25–50	0,01 mm	±2 µm	2 µm	Class 2	Ratched Stop	5-10
102-303	50–75	0,01 mm	±2 µm	2 µm	Class 1	Ratched Stop	5-10
102-304	75–100	0,01 mm	±3 µm	3 µm	Class 2	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

All products to be sold to commercial customers.
Product illustrations are without obligation. Product descriptions, in particular any and all technical specifications, are only binding when explicitly agreed upon.