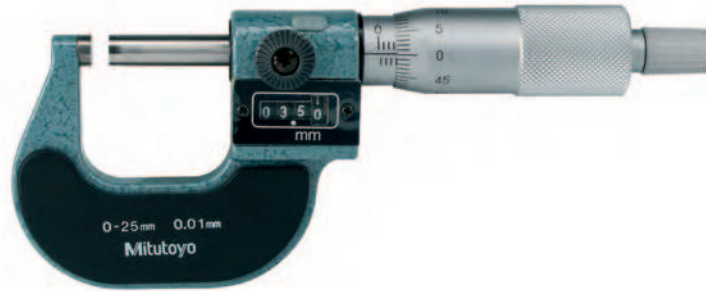


Digit Outside Micrometer

Series 193

Outside Micrometer with Mechanical Counter

- Direct-reading outside micrometer for quick and easy reading.



193-101

Metric With ratchet stop (reading 0,01 mm)

No.	Range	Accuracy	L mm	a mm	b mm	c mm	d ø mm	e ø mm	Mass g
193-101	0-25 mm	±2 µm	30	2.5	5	26	6.35	18	224
193-102	25-50 mm	±2 µm	55	2	8	32	6.35	18	275
193-103	50-75 mm	±2 µm	80	2	9	45	6.35	18	379
193-104	75-100 mm	±3 µm	105	2	9	57	6.35	18	489

Metric With ratchet stop (reading 0,001 mm is obtained with vernier)

No.	Range	Accuracy	L mm	a mm	b mm	c mm	d ø mm	e ø mm	Mass g
193-111	0-25 mm	±2 µm	30	2.5	5	26	6.35	18	224
193-112	25-50 mm	±2 µm	55	2	8	32	6.35	18	275
193-113	50-75 mm	±2 µm	80	2	9	45	6.35	18	379
193-114	75-100 mm	±3 µm	105	2	9	57	6.35	18	489

Metric Micrometer set

No.	Range	Models included	Mass g
193-901	0-75 mm	193-101, 193-102, 193-103 2 micrometers standard	820
193-902	0-100 mm	193-101, 193-102, 193-103, 193-104 3 micrometers standard	1,367

Inch With friction thimble (reading 0.0001" is obtained with vernier)

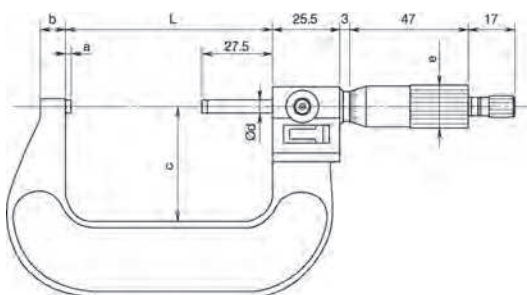
No.	Range	Accuracy	L mm	a mm	b mm	c mm	d ø mm	e ø mm	Mass g
193-211	0 - 1"	±0.0001"	30	2.5	5	26	6.35	18	222
193-212	1 - 2"	±0.0001"	55	2	8	32	6.35	18	270

Inch With ratchet stop (reading 0.0001" is obtained with vernier)

No.	Range	Accuracy	L mm	a mm	b mm	c mm	d ø mm	e ø mm	Mass g
193-213	2 - 3"	±0.0001"	80	2	9	45	6.35	18	379
193-214*	3 - 4"	±0.00015"	105	2	9	57	6.35	18	489

Inch Micrometer set

No.	Range	Models included	Mass g
193-923*	0 - 3"	193-211, 193-212, 193-213 2 micrometers standard	878



Specifications

Accuracy	Refer to the list of specifications
Counter reading	0,01 mm or 0.001"
Graduation	0,01mm, 0,001mm, 0.0001"
Scales	Thimble and sleeve satin chrome finish
Flatness	0,6 µm
Parallelism	(2+L/100) µm, L = max. range (mm)
Measuring surfaces	Carbide tipped, micro-lap finish
Frame	Enamelled
Measuring spindle	ø 6,35 mm, 0,5 mm (0.025") pitch
Measuring force	5-10 N
Delivered	Including box, setting standard (from 25 mm upward), key



193-902