

Digit Outside Micrometers

SERIES 193

FEATURES

- Mechanical digit counter with 0.01mm or .001" reading for quick and error-free reading.
- Supplied with a setting standard (except for 0-25mm/0-1" models).



193-101

Technical Data

Accuracy: Refer to the list of specifications.

Counter reading: 0.01mm or .001"

Graduation: 0.01mm, 0.001mm, or .0001"

Flatness: 0.6 μ m/.000024"

Parallelism: (2+R/100) μ m, R = max. range (mm)
[.00008+.00004(R/4)]" R = max. range (inch)
fraction rounded down

Measuring faces: Carbide

SPECIFICATIONS

Metric With ratchet stop

Range	Order No.	Accuracy
0 - 25mm	193-101	$\pm 2\mu$ m
	193-111*	$\pm 2\mu$ m
25 - 50mm	193-102	$\pm 2\mu$ m
	193-112*	$\pm 2\mu$ m
50 - 75mm	193-103	$\pm 2\mu$ m
	193-113*	$\pm 2\mu$ m
75 - 100mm	193-104	$\pm 3\mu$ m
	193-114*	$\pm 3\mu$ m

*0.001mm reading is obtained with vernier.

Inch With ratchet stop

Range	Order No.	Accuracy
2" - 3"	193-213*	$\pm .0001$ "
3" - 4"	193-214*	$\pm .00015$ "

*.0001" reading is obtained with vernier.

Inch With friction thimble

Range	Order No.	Accuracy
0 - 1"	193-211*	$\pm .0001$ "
1" - 2"	193-212*	$\pm .0001$ "

*.0001" reading is obtained with vernier.

Metric Micrometer set

Range	Order No.	Models included
0 - 75mm (3 pcs./set)	193-901	• 193-101, 193-102, 193-103 • 2 micrometer standards
0 - 100mm (4 pcs./set)	193-902	• 193-101, 193-102, 193-103, 193-104 • 3 micrometer standards

Inch Micrometer set

Range	Order No.	Models included
0 - 3" (3 pcs./set)	193-923	• 193-211, 193-212, 193-213 • 2 micrometer standards

DIMENSIONS

Unit: mm

Models up to 100mm

Range	L	a	b	c
0 - 25mm	30	2.5	5	26
25 - 50mm	55	2	8	32
50 - 75mm	80	2	9	45
75 - 100mm	105	2	9	57

Note: The shape of the thimble changes on the model with Friction Thimble.