# Digital Outside Micrometers SERIES 193

## **FEATURES**

- Mechanical digit counter with 0.01mm or .001" reading for quick and error-free reading.
- With a standard bar except for 0-25mm / 0 -1" model.
- Supplied in fitted plastic case.



# **SPECIFICATIONS**

Metric With ratchet stop

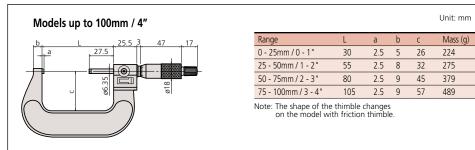
Range	Graduation	Order No.	Accuracy
0 - 25mm	0.01mm	193-101	±2µm
	0.001mm	193-111*	±2µm
25 - 50mm	0.01mm	193-102	±2µm
	0.001mm	193-112*	±2µm
50 - 75mm	0.01mm	193-103	±2µm
	0.001mm	193-113*	±2µm
75 - 100mm	0.01mm	193-104	±3µm
	0.001mm	193-114*	±3µm

\*0.001mm reading is obtained with vernier.

#### Metric Micrometer sets

Range	Order No.	Included in set
0 - 75mm (3 pcs./set)	193-901	• 193-101, 193-102, 193-103 • 2 micrometer standards
0 - 75mm (3 pcs./set)	193-915	• 193-111, 193-112, 193-113, • 2 micrometer standards
0 - 100mm (4 pcs./set)	193-902	<ul> <li>193-101, 193-102, 193-103, 193-104</li> <li>3 micrometer standards</li> </ul>
0 - 100mm (4 pcs./set)	193-916	<ul> <li>193-111, 193-112, 193-113, 193-114</li> <li>3 micrometer standards</li> </ul>

## **DIMENSIONS AND MASS**



#### Inch With friction thimble

Range	Graduation	Order No.	Accuracy
0 - 1"	.0001"	193-211*	±.0001"
1 - 2"	.0001"	193-212*	±.0001"

\*.0001 " reading is obtained with vernier.

### Inch With ratchet stop

Range	Graduation	Order No.	Accuracy		
2 - 3"	.0001 "	193-213*	±.0001"		
3 - 4"	.0001 "	193-214*	±.00015"		

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\*.0001" reading is obtained with vernier.

Micrometer sets

Included in set

• 193-211, 193-212, 193-213

2 micrometer standards

Order No.

193-923

Inch

Range

0 - 3"

(3 pcs./set)

## Technical Data

Counter reading: 0.01mm or .001" Graduation: 0.01mm, 0.001mm, .001" or .0001" Flatness: 0.6µm / .000024" Parallelism: (2+R/100)µm, R=max. range (mm) [.00008" + .00004" (U/A)]", L= max. range (inch) Measuring faces: Carbide tipped



193-916