

# Inside Micrometers

For easy and accurate measurement of inside diameters

## Inside Micrometers SERIES 345, 145 — Caliper Type

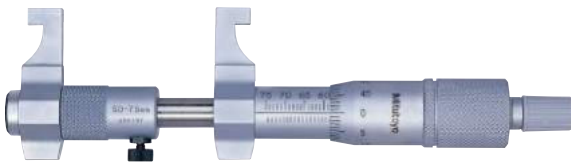
- Carbide measuring faces.
- Equipped with a constant measuring-force device.
- Setting ring (nominal size below 300mm), CERA Inside Micro Checker (more than 50mm), and Gauge Block accessory set are provided as a reference gage for datum adjustment (refer to page C-47, C-26, and E-17 - E20 for details).



345-250-30



145-185



145-187

## SPECIFICATIONS

Metric				
Order No.	Range	Resolution	Accuracy*	Mass
Digimatic (LCD)				
345-250-30	5 - 30mm	0.001mm	±5μm	320g
345-251-30	25 - 50mm		±6μm	325g

\* Excluding quantizing error

Metric				
Order No.	Range	Graduation	Accuracy	Mass
Analog				
145-185	5 - 30mm	0.01mm	±5μm	130g
145-186	25 - 50mm		±6μm	140g
145-187	50 - 75mm		±7μm	160g
145-188	75 - 100mm		±8μm	180g
145-189	100 - 125mm		±9μm	210g
145-190	125 - 150mm			230g
145-191	150 - 175mm		250g	
145-192	175 - 200mm		±10μm	270g
145-217	200 - 225mm			310g
145-218	225 - 250mm		±11μm	330g
145-219	250 - 275mm			350g
145-220	275 - 300mm		±12μm	370g

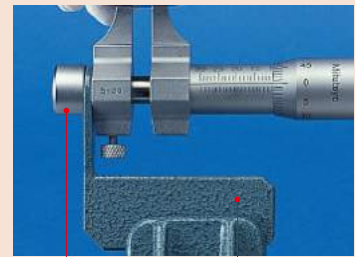
Inch/Metric				
Order No.	Range	Resolution	Accuracy*	Mass
Digimatic (LCD)				
345-350-30	.2" - 1.2"	.00005"/	±.00025"	320g
345-351-30	1" - 2"	0.001mm	±.0003"	325g

\* Excluding quantizing error

Inch					
Order No.	Range	Graduation	Accuracy	Mass	
Analog					
145-193	.2" - 1.2"	.001"	±.00025"	130g	
145-194	1" - 2"		±.0003"	140g	
145-195	2" - 3"		±.00035"	160g	
145-196	3" - 4"			±.0004"	180g



## Accessories for 145-185/186/193/194 (optional)



Cap (No.300401) Holder (No.300400)

\* This instrument requires the cap and the holder for mounting on a micrometer stand.

## Battery and scale type (for 345-250-30/251-30/350-30/351-30)

SR44 (1 pc), **938882**, for initial operational checks (standard accessory)  
 Battery life: Approx. 2.4 years under normal use  
 Scale type: Electromagnetic induction-type rotary encoder

## Optional accessories

Refer to page A-21 for details  
 Connecting cables for Input Tool/ Digimatic Mini-Processor, etc.

1m: **05CZA662**

2m: **05CZA663**

**USB Input Tool Direct (2m): 06ADV380B**

Connecting cables for **U-WAVE-T**

For standard (160mm): **02AZD790B**

For foot switch: **02AZE140B**

## DIMENSIONS

Unit: mm

