

# Micrometer

The origin of Mitutoyo's trustworthy brand of small tool instruments

## Tube Micrometers SERIES 395, 115, 295

- Measuring faces: Carbide  
(**115-101**: only the spindle is carbide tipped.)
- series 395: IP65 digital spherical-flat anvil type micrometer.
- Equipped with Ratchet Stop for constant measuring force.



## SPECIFICATIONS

Metric				
Order No.	Range	Resolution	Accuracy*	∅D
Digimatic (LCD)				
<b>395-251-30</b>	0 - 25mm	0.001mm	±2μm	∅15
<b>395-252-30</b>	25 - 50mm			∅19
<b>395-253-30</b>	50 - 75mm		±3μm	∅20
<b>395-254-30</b>	75 - 100mm			

\* Excluding quantizing error

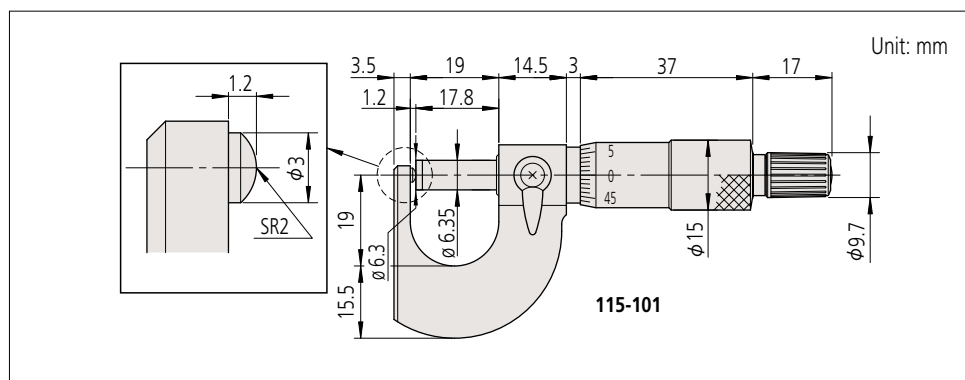
Metric				
Order No.	Range	Graduation	Accuracy	øD
Analog				
115-101	0 - 15mm	0.01mm	±3µm	ø5.5
115-115	0 - 25mm			ø10
115-116	25 - 50mm			ø11
115-117	50 - 75mm			ø17
115-118	75 - 100mm		±4µm	ø18
Mechanical counter model				
295-115	0 - 25mm		±3µm	ø10

Inch/Metric				
Order No.	Range	Resolution	Accuracy*	∅D
Digimatic (LCD)				
<b>395-351-30</b>	0 - 1"	.00005" / 0.001mm	±.0001"	∅.59"
<b>395-352-30</b>	1" - 2"			∅.75"
<b>395-353-30</b>	2" - 3"		±.00015"	∅.79"
<b>395-354-30</b>	3" - 4"			

\* Excluding quantizing error

Inch				
Order No.	Range	Graduation	Accuracy	∅D
Analog				
<b>115-153</b>	0 - 1"	.0001"	±.00015"	∅.40"
Mechanical counter model				
<b>295-153</b>	0 - 1"	.0001"	±.00015"	∅.40"

## DIMENSIONS



IP65

These marks indicate that a product has successfully passed IP65-level testing, which is carried out by the independent German certification organization TÜV Rheinland.



(Refer to page X for details.)

## IP Codes (series 395)

Level 6: Dust-proof.

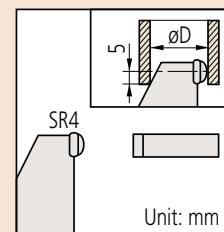
No ingress of dust allowed.

Level 5: Protected against water jets.

Water projected in jets against the enclosure from any direction shall have no harmful effects.

## Technical Data

Flatness: 0.6μm / .000024" (series 115 & 295)  
0.3μm / .000012" (series 395)



## Battery for series 395

**SR44** (1 pc), **938882**, for initial operational checks (standard accessory)

Battery life: Approx. 2.4 years under normal use (for series 395)

Length standard: Electromagnetic rotary sensor (for series 395)

Standard accessories: Reference bar, 1 pc

(except for measuring range 0-15mm/0-25mm (0-1") models)

Spanner (200168), 1 pc (for series 115-101)

Spanner (301336), 1 pc (for models other than series 115-101)

## Optional accessories

Connecting cables for **series 395**

1m: **05CZA662**

2m: **05CZA663**

**USB Input Tool Direct**

USB-ITN-B (2m): **06ADV380B**

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

**02AZD790B** 160mm

For foot switch: **02AZE140B**

Refer to page B-68 for details.