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	ı			
Order No.	Range	Resolution	Accuracy*	øD
Digimatic (LCI	0)			
395-251-30	0 - 25mm			ø15
395-252-30	25 - 50mm	0.001mm	±2µm	כוש
395-253-30	50 - 75mm	0.001111111		ø19
395-254-30	75 - 100mm		±3µm	ø20

^{*} Excluding quantizing error

Metric	ı				
Order No.	Range	Graduation	Accuracy	øD	
Analog					
115-101	0 - 15mm			ø5.5	
115-115	0 - 25mm		ı 2um	ø10	
115-116	25 - 50mm	0.01mm	±3µm	ø11	
115-117	50 - 75mm			ø17	
115-118	75 - 100mm		±4µm	ø18	
Mechanical counter model					
295-115	0 - 25mm		±3µm	ø10	

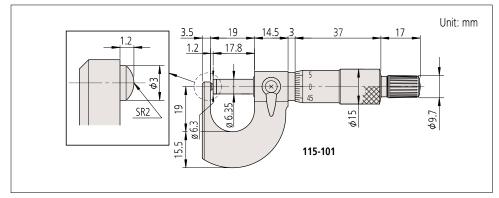
nch/Metric	L

Order No.	Range	Resolution	Accuracy*	øD
Digimatic (LCD)				
395-351-30	0 -1"			ø.59"
395-352-30	1" - 2"	.00005"/	±.0001"	W.35
395-353-30	2" - 3"	0.001mm		ø.75"
395-354-30	3" - 4"		±.00015"	ø.79"

^{*} Excluding quantizing error

Inch	ı			
Order No.	Range	Graduation	Accuracy	øD
Analog				
115-153	0 -1"	.0001"	±.00015"	ø.40"
Mechanical count	er model			
295-153	0 -1"	.0001"	±.00015"	ø.40"

DIMENSIONS





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.

Level 6: Dust-proor.

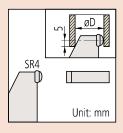
No ingress of dust allowed.
Level 5: Protected against water jets.

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

Technical Data

Flatness: $0.6\mu\text{m}/.000024\text{"}$ (series 115 & 295) $0.3\mu\text{m}/.000012\text{"}$ (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.





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(Refer to page X for details.)

IP Codes (series 395)

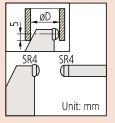
Level 6: Dust-proof.

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.





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 115-201)
Spanner (301336), 1 pc (for models other than series 115-201)

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.

Tube Micrometers SERIES 395, 115, 295 — Spherical Anvil and Spindle Type

• Measuring faces: Carbide

(115-201: only the spindle is carbide tipped.)

• series 395: IP65 spherical anvil and spindle type digital micrometer.

• Equipped with Ratchet Stop for constant measuring force.



SPECIFICATIONS

Metric	ı			
Order No.	Range	Resolution	Accuracy*	øD
Digimatic (LCD)				
395-271-30	0 - 25mm			g15
395-272-30	25 - 50mm	0.001mm	±2µm	כוש
395-273-30	50 - 75mm	0.001111111		ø19
395-274-30	75 - 100mm		±3µm	ø20
ar I I	pr 1			

^{*} Excluding quantizing error

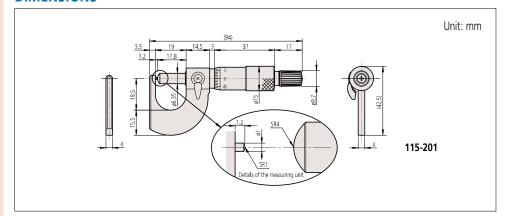
Į	Metric	ı			
	Order No.	Range	Graduation	Accuracy	øD
Ī	Analog				
	115-201	0 - 15mm			ø5.5
	115-215	0 - 25mm		±3µm	ø10
Ī	115-216	25 - 50mm	0.01mm		ø11
	115-217	50 - 75mm			ø17
Ī	115-218	75 - 100mm		±4µm	ø18
	Mechanical counter model				
	295-215	0 - 25mm	0.01mm	±3µm	ø10

Inch/Metric	ı			
Order No.	Range	Resolution	Accuracy*	øD
Digimatic (LCD)				
395-371-30	0 -1"			ø.59"
395-372-30	1" - 2"	.00005"/	±.0001"	פנ.ש
395-373-30	2" - 3"	0.001mm		ø.75"
395-374-30	3" - 4"		±.00015"	ø.79"

^{*} Excluding quantizing error

Inch				
Order No.	Range	Graduation	Accuracy	øD
Analog				
115-253	0 -1"	.0001"		ø.40"
115-242	1 - 2"	.001"	±.00015"	ø.44"
115-243	2 - 3"	.001		ø.67"
Mechanical cour	nter model			
295-253	0 -1"	.0001"	±.00015"	ø.40"

DIMENSIONS





Micrometer

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

Tube Micrometers SERIES 395, 115, 295 — Spherical and Cylindrical Anvil Type

- Spindle face: Carbide
- series 395: IP65 spherical and cylindrical anvil type digital micrometers
- Equipped with Ratchet Stop for constant measuring force.



SPECIFICATIONS

Metric				
Order No.	Range	Resolution	Accuracy*	Remarks
Digimatic (LCD))			
395-261-30				Type A
395-262-30	0 - 25mm	0.001mm	±3µm	Type B
395-263-30	0 - 23111111	0.001111111	πομιιι	Type C
395-264-30				Type D

^{*} Excluding quantizing error

Metric	ı			
Order No.	Range	Graduation	Accuracy	Remarks
Analog				
115-302	0 - 25mm			Type A
115-308	25 - 50mm	0.01mm	. 7	Type B
115-303				Type A
115-309		0.01111111	±3µm	Type B
115-315	0 - 25mm			Type C
115-316	0 - 25111111			Type D

Inch/Metric				
Order No.	Range	Resolution	Accuracy*	Remarks
Digimatic (LCD)				
395-362-30		.00005"/		Type B
395-363-30	0 - 1"	0.00005 /	±.00015"	Type C
395-364-30		0.001111111		Type D

^{*} Excluding quantizing error

Inch					
Order No.	Range	Graduation	Accuracy	Remarks	
Analog					
115-305		.001"		Type A	
115-313	0 -1"	.0001"	±.00015"	Type C	
115-314		.0001		Type D	



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(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.



Type B (spherical)



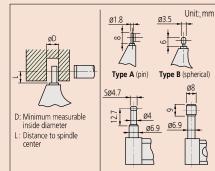


Type C (cylindrical)

Type D (cylindrical)







	i Type C (cylin	uncai) Type D (cylinunca			
Anvil	D	L			
Type A	2	4			
Type B	3.6	4			
Type C Type D	4.8	12			
Type D	8.2	22			

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 0-25mm (0-1") models) Spanner (301336), 1 pc

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.