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.)
- 395 series: IP65 digital spherical-flat anvil type micrometer.
- Equipped with Ratchet Stop for constant measuring force.



SPECIFICATIONS

Metric						
Order No.	Range	Resolution	Accuracy*	øD		
Digimatic (LCD)						
395-251	0 - 25mm			ø15		
395-252	25 - 50mm	0.001mm	±2µm	CIQ		
395-253	50 - 75mm	0.00111111		ø19		
395-254	75 - 100mm	-	±3µm	ø20		

* Excluding quantizing error

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

Inch/Metric				
Order No.	Range	Resolution	Accuracy*	øD
Digimatic (LCD)				
395-351	0 - 1"			ø.59"
395-352	1" - 2"	.00005"/	±.0001"	0.55
395-353	2" - 3"	0.001mm		ø.75"
395-354	3" - 4"		±.00015"	0.75
* Evoluding quar	ntizina error			

Excluding quantizing error

Δ

N

Inch				
Order No.	Range	Graduation	Accuracy	øD
nalog				

115-153	0 -1"	.0001"	±.00015"	ø.40"		
Mechanical counter model						
295-153	0 -1"	.0001"	±.00015"	ø.40"		



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 IX for details.)

IP Codes (395 series)

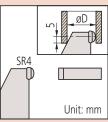
Level 6: Dust-proof.

- 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" (**115** & **295 Series**) 0.3µm/ .000012" (**395 Series**)





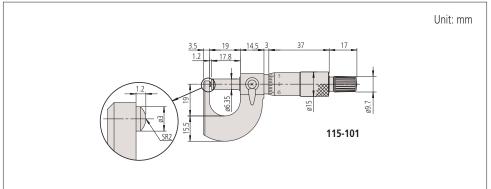
Battery for series 395

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

Optional accessories

Connecting cables for **395 series** 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 A-21 for details.

DIMENSIONS



Mitutoyo



(Refer to page IX for details.)

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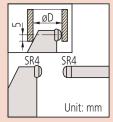


IP Codes (395 series)

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)

Optional accessories

Connecting cables for 395 series 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 A-21 for details.

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

- Measuring faces: Carbide
- (**115-201**: only the spindle is carbide tipped.) • 395 series: IP65 spherical anvil and spindle type digital micrometer.
- Equipped with Ratchet Stop for constant measuring force.



SPECIFICATIONS

Metric					
Order No.	Range	Resolution	Accuracy*	øD	
Digimatic (LCD)					
395-271	0 - 25mm			ø15	
395-272	25 - 50mm	0.001mm	±2µm	JUIJ	
395-273	50 - 75mm	0.00111111		ø19	
395-274	75 - 100mm		±3µm	ø20	
with a local sector of the sec					

Inch/Metric

Inch

Analog

Order No.

115-253

115-242

115-243

Mechanical counter model

295-253 | 0 - 1"

0 - 1'

1 - 2"

2 - 3"

Order No.	Range	Resolution	Accuracy*	øD
Digimatic (LCD)				
395-371	0 -1"			ø.59"
395-372	1" - 2"	.00005"/	±.0001"	0.55
395-373	2" - 3"	0.001mm		ø.75"
395-374	3" - 4"		±.00015"	ø.79"
* Excluding quantizing error				

Range Graduation Accuracy

.0001"

.001"

øD

ø.40"

ø.44"

ø.67"

ø.40"

±.00015"

.0001" | ±.00015" |

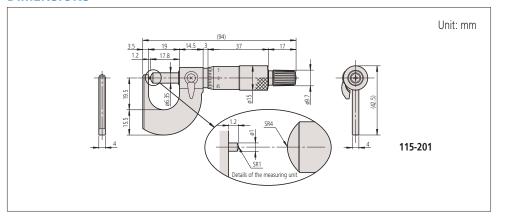
Mitutoyo

* Excluding quantizing error

Metric

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

DIMENSIONS



B-40

Micrometer

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

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

395-261

• Spindle face: Carbide

type digital micrometers

Mitutovo

• Equipped with Ratchet Stop for constant • 395 Series: IP65 spherical and cylindrical anvil measuring force.



SPECIFICATIONS

(P65

Metric						
Order No.	Range	Resolution	Accuracy*	Remarks		
Digimatic (LCD)						
395-261	0 - 25mm			Type A		
395-262		0.001mm	±3µm	Туре В		
395-263		0.00111111	τομιι	Type C		
395-264				Type D		
* Evoluding quantizing error						

Excluding guantizing error

Metric	I				
Order No.	Range	Graduation	Accuracy	Remarks	
Analog					
115-302	0 - 25mm	0.01mm	±3µm	Type A	
115-308				Type B	
115-303	25 - 50mm			Type A	
115-309				Type B	
115-315	0 - 25mm			Type C	
115-316	0 - 2511111			Type D	

Inch/Metric					
Order No.	Range	Resolution	Accuracy*	Remarks	
Digimatic (LCD)					
395-362		00005 "/		Type B	
395-363	0 - 1"	.00005"/ 0.001mm	±.00015"	Type C	
395-364		0.00111111		Type D	
* Excluding quantizing error					

Inch	1				
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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TÜVRheinla CERTIFIED

(Refer to page IX for details.)

IP Codes (395 series)

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.

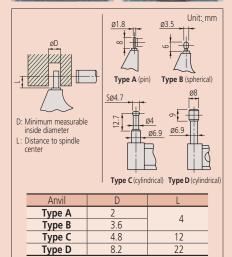




Type C (cylindrical)

Type D (cylindrical)





Battery for series 395

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

Optional accessories

Connecting cables for **395 series** 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 A-21 for details.

