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

- Designed to measure workpieces with concave-concave surfaces. The spherical anvil and spindle respectively come into contact with the workpiece at a point, thus increasing measurement accuracy.
- IP65 water/dust protection (**series 395**).
- Equipped with Ratchet Stop for constant measuring force.

395-271-30

SPECIFICATIONS

Metric

Code No.	Range (mm)	Resolution (mm)	Maximum permissible error J_{MPE} (µm)	øD (mm)
Digimatic				
395-271-30	0 - 25	0.001	±2	ø15
395-272-30	25 - 50			
395-273-30	50 - 75			ø19
395-274-30	75 - 100		±3	ø20

Inch / Metric

Code No.	Range (in)	Resolution	Maximum permissible error J_{MPE} (in)	øD (in)
Digimatic				
395-371-30	0 - 1	0.00005 in/ 0.001 mm	±0.0001	ø0.59
395-372-30	1 - 2			
395-373-30	2 - 3			ø0.75
395-374-30	3 - 4		±0.00015	ø0.79

- Power source: SR44 battery (1 pc.), **938882** included as standard (for operational checks)
- Battery life: Approx. 2.4 years under normal use
- Position detection method: Electromagnetic rotary sensor
- Standard accessories: Setting standard, 1 pc. (except for measuring range 0 to 25 mm (0 to 1 in) models), Spanner (**301336**), 1 pc.

Note: For functional details, refer to page 02-7.
Optional connection cable is available only for water-proof type (Digimatic model).

115-215

SPECIFICATIONS

Metric

Code No.	Range (mm)	Graduation (mm)	Maximum permissible error J_{MPE} (µm)	øD (mm)
Analog				
115-201	0 - 15	0.01	±3	ø5.5
115-215	0 - 25			ø10
115-216	25 - 50			ø11
115-217	50 - 75			ø17
115-218	75 - 100		±4	ø18
Mechanical counter model				
295-215	0 - 25	0.01	±3	ø10

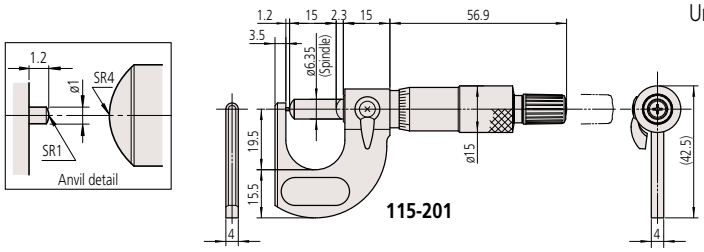
Inch

Code No.	Range (in)	Graduation (in)	Maximum permissible error J_{MPE} (in)	øD (in)
Analog				
115-253	0 - 1	0.0001	±0.00015	ø0.40
115-242	1 - 2	0.001		ø0.44
115-243	2 - 3			ø0.67
Mechanical counter model				
295-253	0 - 1	0.0001	±0.00015	ø0.40

- Standard accessories: Setting standard, 1 pc. (except for measuring range 0 to 15 mm/0 to 25 mm (0 to 1 in) models) Spanner (**200168**), 1 pc. (for **115-201**), Spanner (**301336**), 1 pc. (for models other than **115-201**)

DIMENSIONS

Unit: mm



115-201

MeasurLink® ENABLED
Data Management Software by Mitutoyo

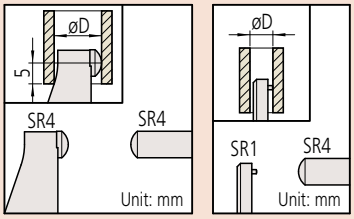
U-WAVE fit

IP65

Dust- and Water-Protected
TÜVRheinland CERTIFIED
www.tuv.com ID 0000040191

Applicable models: **series 395**

Measurement example



Other than **115-201** **115-201**

Optional Accessories

Code No.	Type	Description
264-020	—	USB Input Tool Series USB Keyboard Signal Conversion Type **IT-020U**
05CZA662	B	Connection cable for **series 395** (1 m)
05CZA663	B	Connection cable for **series 395** (2 m)
06AFM380B	B	USB Input Tool Direct (2 m)
02AZD730G	IP67	**U-WAVE-T**
02AZD880G	Buzzer	**U-WAVE-T**
02AZE200	—	**U-WAVE-T** mounting bracket
02AZD790B	B	Connection cable for **U-WAVE-T** (160 mm)
02AZE140B	B	Connection cable for **U-WAVE-T** For foot switch
264-622	IP67	**U-WAVE-TM**
264-623	Buzzer	**U-WAVE-TM**
264-626	IP67	**U-WAVE-TMB**
264-627	Buzzer	**U-WAVE-TMB**
02AZF310	IP67	Connecting unit for **U-WAVE-TM/TMB**

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