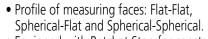
Micrometer

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

Sheet Metal Micrometers SERIES 389, 118

MeasurLink® ENABLED Data Management Software by Mitutoyo

- Measures thickness of sheet metal.
- IP65 water/dust protection (series 389).
- Measuring faces: Carbide.



• Equipped with Ratchet Stop for constant



SPECIFICATIONS

Metric	ı					
Order No.	Range	Resolution	Accuracy*	Throat depth	Measuring surfaces	
Digimatic (LCD)						
389-251-30					F-F	
389-261-30	0 - 25 mm		±4 µm	150 mm	S-F	
389-271-30		0.001 mm	· ·		S-S	
389-514			±5 μm	300 mm*1	F-F	
389-252-30					Г-Г	
389-262-30	25 - 50 mm		±4 µm	150 mm	S-F	
389-272-30					S-S	

* Excluding quantizing error of ±1 count

Metric	ı						
Order No.	Range	Graduation	Accuracy	Throat depth	Measuring surfaces		
Analog 118-101 100 mm							
118-102	0 - 25 mm	0.01 mm	±4 µm	150 mm	F-F		
118-114 118-118					S-F S-S		
118-103			±5 µm	300 mm* ¹	F-F		
118-110 118-126	25 - 50 mm		±4 μm	150 mm	S-S		
1.0 .20							

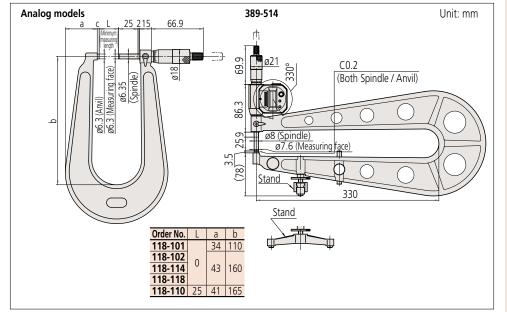
^{*1} Models with a 300 mm (12 in) throat are equipped with a stand for convenience of measurement in the horizontal orientation as standard.

Inch/Metric	ı				
Order No.	Range	Resolution	Accuracy*	Throat depth	Measuring surfaces
Digimatic (LCD)		1	1		
389-351-30					F-F
389-361-30	0 - 1 in	0 0000E in/	±0.0002 in	6 in	S-F
389-371-30					S-S
389-714			±0.00025 in	12 in*1	F-F
389-352-30		0.001111111			Г-Г
389-362-30	1 - 2 in		±0.0002 in	6 in	S-F
389-372-30					5-5

* Excluding quantizing error of ±1 count

Inch						
Order No.	Range	Graduation	Accuracy	Throat depth	Measuring surfaces	
Analog						
118-129					F-F	
118-116	0 - 1 in	0.0001 in	±0.0002 in		S-F	
118-120					S-S	
118-107		0.001 in	±0.00025 in	12 in*1	F-F	
118-112	1 - 2 in	0.001 111	±0.0002 in	6 in		

DIMENSIONS



MeasurLink® ENABLED

Products equipped with the measurement data output function can be connected to the measurement data network system MeasurLink (refer to page A-5 for details).



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 389)

Level 6: Dust-proof.

No ingress of dust allowed.

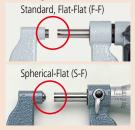
Level 5: Protected against water jets. Water projected in jets against the enclosure from any direction shall have no harmful effects.

Technical Data

Flatness: 0.6 um/0.000024 in for models with 150 mm/6 in throat $1 \mu m/0.00004$ in for models with 300 mm/12 in throat

Parallelism: 3 µm/0.00012 in

Quantizing error (series 389): excluding ±1 count





Battery for Series 389

SR44 (1 pc), 938882, 2 pcs:389-514, 389-714 for initial operational checks (standard accessory) Battery life: Approx. 2.4 years under normal use (for series 389-2XX, 3XX)

Approx. 1.8 years under normal use

Length standard: Electromagnetic rotary sensor (for series 389)
Standard accessories: Reference bar, 1 pc (except for measuring range 0-25 mm (0-1 in) models) Spanner (200877), 1 pc (for series 118-1XX) Spanner (301336), 1 pc (for series 389-2XX, 3XX) Spanner (200154), 1 pc (for series 118-103/107, 389-514/714)

Optional Accessories for Series 389

• Connecting cables for Series 389 (excluding 389-514 and 389-714)

1 m: 05CZA662 2 m: 05CZA663

• USB Input Tool Direct USB-ITN-B (2 m): 06AFM380B

• SPC cables for U-WAVE, series 389 (excluding 389-514 and 389-714) Wireless data output **U-WAVE** fit

U-WAVE-TM **264-622** (IP67 type) **264-623** (Buzzer type)

Connecting unit for U-WAVE-TM **02AZF310** (IP67 type)

Refer to page A-15 for details

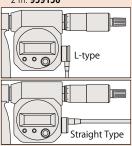
• Connecting cables for 389-514, 389-714

• Recommended cables: L-Type (does not interfere with operating the thimble.)
1 m: **04AZB512**

2 m: **04AZB513**

• Straight type (may interfere with operating the thimble.)

1 m: **959149** 2 m: 959150



Refer to page B-68 for detailed information about recommended cables

