Sheet Metal Micrometers SERIES 389

- The U-shaped micrometer is ideal for measuring the thickness of sheet metal at a considerable distance from the edge.
- IP65 water/dust protection (except for **389-514** and **389-714**).
- Measuring faces: Carbide tipped
- Profile of measuring faces: Flat-Flat, Spherical-Flat and Spherical-Spherical.
- Equipped with Ratchet Stop for constant measuring force.

389-251-30

SPECIFICATIONS

Metric

Code No.	Range (mm)	Resolution (mm)	Maximum permissible error J_{MPE} (µm)	Flatness (µm)	Parallelism (µm)	Throat depth (mm)	Measuring surfaces
Digimatic							
389-251-30	0 - 25	0.001	±4	0.6	3	150	F-F
389-261-30				0.6 (Spindle)	—		S-F
389-271-30				—			S-S
389-514			±5	1	3	300*	F-F
389-252-30	25 - 50		±4	0.6	—	150	F-F
389-262-30				0.6 (Spindle)			S-F
389-272-30				—			S-S

Inch / Metric

Code No.	Range (in)	Resolution	Maximum permissible error J_{MPE} (in)	Flatness (in)	Parallelism (in)	Throat depth (in)	Measuring surfaces
Digimatic							
389-351-30	0 - 1	0.00005 in / 0.001 mm	±0.0002	0.000024	0.00012	6	F-F
389-361-30				0.000024 (Spindle)	—		S-F
389-371-30				—			S-S
389-714			±0.00025	0.00004	0.00012	12*	F-F
389-352-30	1 - 2		±0.0002	0.000024	—	6	F-F
389-362-30				0.000024 (Spindle)			S-F
389-372-30				—			S-S

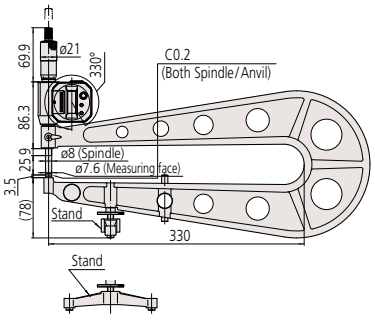
- Power source for **389-2XX**, **3XX**: SR44 battery (1 pc.), **938882** included as standard (for operational checks)
- Power source for **389-514**, **714**: SR44 battery (2 pcs.), **938882** included as standard (for operational checks)
- Battery life: Approx. 2.4 years under normal use (for **389-2XX**, **3XX**), Approx. 1.8 years under normal use (for **389-514**, **714**)
- 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. (for **389-2XX**, **3XX**)
  Spanner (**200154**), 1 pc. (for **389-514**, **714**)

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

Note 1: For functional details of **389-251-30**/**389-252-30**/**389-351-30**/**389-352-30** refer to page 02-7.
Note 2: For functional details of **389-514**/**389-714** refer to page 02-9.
Note 3: In spherical-flat anvil type micrometers, the measuring face on the anvil side is spherical.

DIMENSIONS

389-514 Unit: mm



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U-WAVE fit

IP65

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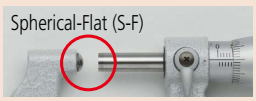
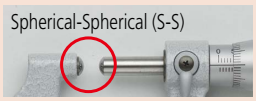
Applicable models: **series 389**
(excluding **389-514** and **389-714**)

Optional Accessories

Code No.	Type	Description
264-020	—	USB Input Tool Series USB Keyboard Signal Conversion Type **IT-020U**
05CZA662	B	Connection cable (1 m): for **series 389**
05CZA663	B	Connection cable (2 m): for **series 389**
04AZB512	CR	Connection cable (1 m): for **389-514**
04AZB513	CR	Connection cable (2 m): for **389-514**
959149	C	Connection cable (1 m): for **389-514**
959150	C	Connection cable (2 m): for **389-514**
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): for **series 389**
02AZE140B	B	Connection cable for **U-WAVE-T**: for **series 389** 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***

* Cannot be used with **389-514**.





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