



Spherical Face Micrometers

SERIES 395, 295, 115

Technical Data

Accuracy: Refer to the list of specifications.
 Flatness: .000024" / 0.6µm
 Display*: LCD
 Battery*: SR44 (1 pc.), **938882**
 Battery life*: Approx. 1.2 years under normal use
 Dust/Water protection level*: IP65
 *Digital models **Analog models

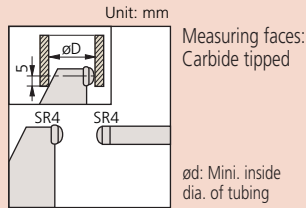
Function of Digital Model

Origin-set, Zero / ABS, Data hold, Data output,
 inch/mm conversion (on inch/metric models only)
 Alarm: Low voltage, Counting value composition error

Optional Accessories for Digital Model

05CZA662: SPC cable with data switch (40" / 1m)
05CZA663: SPC cable with data switch (80" / 2m)

Spherical anvil-spindle type



FEATURES

- IP65 water/dust protection (Series 395).
- Designed to measure the wall thickness of various tubing.
- With Ratchet Stop for constant force.
- With SPC output (Series 395).
- With digit counter (Series 295).
- With a standard bar except 0 -1" and 0 - 25mm model.
- Supplied in fitted plastic case.



SPECIFICATIONS

Metric		Digital model with spherical anvil			
Range	Resolution	Order No.	Accuracy	Remarks	Mass (g)
0 - 25mm	0.001mm	395-251 ^{S-F}	±2µm	D: 15mm	270
		395-271 ^{S-S}	±2µm	D: 15mm	270
25 - 50mm	0.001mm	395-252 ^{S-F}	±2µm	D: 15mm	330
		395-272 ^{S-S}	±2µm	D: 15mm	330
50 - 75mm	0.001mm	395-253 ^{S-F}	±2µm	D: 19mm	470
		395-273 ^{S-S}	±2µm	D: 19mm	470
75 - 100mm	0.001mm	395-254 ^{S-F}	±3µm	D: 20mm	625
		395-274 ^{S-S}	±3µm	D: 20mm	625

S-F: Spherical anvil and flat spindle
 S-S: Spherical anvil and spherical spindle

Metric		Mechanical counter model with spherical anvil			
Range	Graduation	Order No.	Accuracy	Remarks	Mass (g)
0 - 25mm	0.01mm	295-115 ^{S-F*}	±3µm	D: 10mm	220
		295-215 ^{S-S*}	±3µm	D: 10mm	220

S-F: Spherical anvil and flat spindle
 S-S: Spherical anvil and spherical spindle

Metric		With spherical anvil			
Range	Graduation	Order No.	Accuracy	Remarks	Mass (g)
0 - 25mm	0.01mm	115-115 ^{S-F}	±3µm	D: 10mm	180
		115-215 ^{S-S}	±3µm	D: 10mm	180
25 - 50mm	0.01mm	115-116 ^{S-F}	±3µm	D: 11mm	240
		115-216 ^{S-S}	±3µm	D: 11mm	240
50 - 75mm	0.01mm	115-117 ^{S-F}	±3µm	D: 17mm	315
		115-217 ^{S-S}	±3µm	D: 17mm	315
75 - 100mm	0.01mm	115-118 ^{S-F}	±4µm	D: 18mm	375
		115-218 ^{S-S}	±4µm	D: 18mm	375

S-F: Spherical anvil and flat spindle
 S-S: Spherical anvil and spherical spindle

Inch/Metric		Digital model with spherical anvil			
Range	Resolution	Order No.	Accuracy	Remarks	Mass (g)
0 - 1" / 0 - 25.4mm	.00005" / 0.001mm	395-351 ^{S-F}	±.0001"	D: .59"	270
		395-371 ^{S-S}	±.0001"	D: .59"	270
1" - 2" / 25.4 - 50.8mm	.00005" / 0.001mm	395-352 ^{S-F}	±.0001"	D: .59"	330
		395-372 ^{S-S}	±.0001"	D: .59"	330
2" - 3" / 50.8 - 76.2mm	.00005" / 0.001mm	395-353 ^{S-F}	±.0001"	D: .75"	470
		395-373 ^{S-S}	±.0001"	D: .75"	470
3" - 4" / 76.2 - 101.6mm	.00005" / 0.001mm	395-354 ^{S-F}	±.00015"	D: .79"	625
		395-374 ^{S-S}	±.00015"	D: .79"	625

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 S-S: Spherical anvil and spherical spindle

Inch		Mechanical counter model with spherical anvil			
Range	Graduation	Order No.	Accuracy	Remarks	Mass (g)
0 - 1"	.0001"	295-153 ^{S-F*}	±.00015"	D: .40"	220
		295-253 ^{S-S*}	±.00015"	D: .40"	220

S-F: Spherical anvil and flat spindle
 S-S: Spherical anvil and spherical spindle
 *.0001" reading is obtained with vernier.

Inch		With spherical anvil			
Range	Graduation	Order No.	Accuracy	Remarks	Mass (g)
0 - 1"	.0001"	115-153 ^{S-F*}	±.00015"	D: .40"	180
0 - 1"	.0001"	115-253 ^{S-S*}	±.00015"	D: .40"	180
1 - 2"	.001"	115-242 ^{S-S}	±.00015"	D: .44"	240
2 - 3"	.001"	115-243 ^{S-S}	±.00015"	D: .67"	315

S-F: Spherical anvil and flat spindle
 S-S: Spherical anvil and spherical spindle
 *.0001" reading is obtained with vernier.

