

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

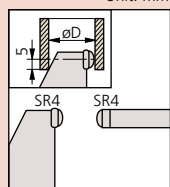
05CZA662: SPC cable with data switch (40" / 1m)

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

Spherical anvil-spindle type



Unit: mm



Measuring faces:
Carbide tipped

ød: Mini. inside
dia. of tubing

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.



115-153



395-371

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

S-F: Spherical anvil and flat spindle

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
		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.