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

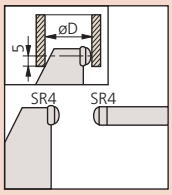
Function of Digital Model

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



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

IP65

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
		395-271S-S	±2µm	D: 15mm	270
25 - 50mm	0.001mm	**395-252**S-F	±2µm	D: 15mm	330
		395-272S-S	±2µm	D: 15mm	330
50 - 75mm	0.001mm	**395-253**S-F	±2µm	D: 19mm	470
		395-273S-S	±2µm	D: 19mm	470
75 - 100mm	0.001mm	**395-254**S-F	±3µm	D: 20mm	625
		395-274S-S	±3µm	D: 20mm	625

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
		395-371S-S	±.0001"	D: .59"	270
1" - 2"/ 25.4- 50.8mm	.00005" / 0.001mm	**395-352**S-F	±.0001"	D: .59"	330
		395-372S-S	±.0001"	D: .59	330
2" - 3"/ 50.8-76.2mm	.00005" / 0.001mm	**395-353**S-F	±.0001"	D: .75"	470
		395-373S-S	±.0001"	D: .75"	470
3" - 4"/ 76.2-101.6mm	.00005" / 0.001mm	**395-354**S-F	±.00015"	D: .79"	625
		395-374S-S	±.00015"	D: .79"	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
		295-215S-S	±3µm	D: 10mm	220

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
		295-253S-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.

Metric With spherical anvil

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

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

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.

Tube Micrometers

SERIES 395, 295, 115— Spherical and Cylindrical Anvils

FEATURES

- IP65 water/dust protection (Series 395).
- Designed to measure the wall thickness of various tubing.
- The Tube Micrometers have two combinations of measuring faces (carbide-tipped): spherical-flat type.
- 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.

Pin Anvil Type

395-261

IP65

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)


Type A


Type B


Type C


Type D

SPECIFICATIONS

Metric Digital model with cylindrical anvil

Range	Resolution	Order No.	Accuracy	Remarks	Mass (g)
0 - 25mm	0.001mm	**395-261**	±3µm	Type A	270
		395-262	±3µm	Type B	270
		395-263	±3µm	Type C	310
		395-264	±3µm	Type D	310

Inch/Metric Digital model with cylindrical anvil

Range	Resolution	Order No.	Accuracy	Remarks	Mass (g)
0 - 1" / 0 - 25.4mm	.00005" / 0.001mm	**395-362**	±.00015"	Type B	270
		395-363	±.00015"	Type C	310
		395-364	±.00015"	Type D	310

Metric Mechanical counter model

Range	Graduation	Order No.	Accuracy	Remarks	Mass (g)
0 - 25mm	0.01mm	**295-302**	±3µm	Type A	210

Inch Mechanical counter model

Range	Graduation	Order No.	Accuracy	Remarks	Mass (g)
0 - 1"	.0001"	**295-313**	±.00015"	Type C	210
		295-314	±.00015"	Type D	210

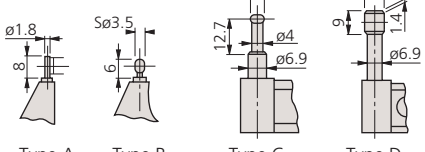
Metric With cylindrical anvil

Range	Graduation	Order No.	Accuracy	Remarks	Mass (g)
0 - 25mm	0.01mm	**115-302**	±3µm	Type A	180
		115-308	±3µm	Type B	180
		115-315	±3µm	Type C	180
		115-316	±3µm	Type D	180
25 - 50mm	0.01mm	**115-303**	±3µm	Type A	240
		115-309	±3µm	Type B	240

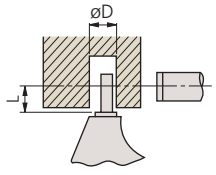
Inch With cylindrical anvil

Range	Graduation	Order No.	Accuracy	Remarks	Mass (g)
0 - 1"	.001"	**115-305**	±.00015"	Type A	180
	.0001"	**115-313***	±.00015"	Type C	180
	.0001"	**115-314***	±.00015"	Type D	180

*.0001" reading is obtained with vernier.



Type A (Pin) Type B (Spherical) Type C (Spherical) Type D (Cylindrical)



øD: Mini. inside dia. of tubing
Spindle face: Carbide tipped

Anvil	D	L
Type A	2	4
Type B	3.6	4
Type C	4.8	12
Type D	8.2	22