



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. 2.4 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)
 Function lock
 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).
- Non-slip grip finish (digital models).
- With digit counter (Series 295).
- With a standard bar except 0 - 1" and 0 - 25mm model.
- Supplied in fitted plastic case.



115-153



395-371-30



SPECIFICATIONS

Metric Digital model with spherical anvil					
Range	Resolution	Order No.	Accuracy	Remarks	Mass (g)
0 - 25mm	0.001mm	395-251-30 ^{SF}	±2µm	D: 15mm	270
		395-271-30 ^S	±2µm	D: 15mm	270
25 - 50mm	0.001mm	395-252-30 ^{SF}	±2µm	D: 15mm	330
		395-272-30 ^S	±2µm	D: 15mm	330
50 - 75mm	0.001mm	395-253-30 ^{SF}	±2µm	D: 19mm	470
		395-273-30 ^S	±2µm	D: 19mm	470
75 - 100mm	0.001mm	395-254-30 ^{SF}	±3µm	D: 20mm	625
		395-274-30 ^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	395-351-30 ^{SF}	±.0001"	D: .59"	270
		395-371-30 ^S	±.0001"	D: .59"	270
1" - 2" / 25.4 - 50.8mm	.00005" / 0.001mm	395-352-30 ^{SF}	±.0001"	D: .59"	330
		395-372-30 ^S	±.0001"	D: .59"	330
2" - 3" / 50.8 - 76.2mm	.00005" / 0.001mm	395-353-30 ^{SF}	±.0001"	D: .75"	470
		395-373-30 ^S	±.0001"	D: .75"	470
3" - 4" / 76.2 - 101.6mm	.00005" / 0.001mm	395-354-30 ^{SF}	±.00015"	D: .79"	625
		395-374-30 ^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 ^{SF}	±3µm	D: 10mm	220
		295-215 ^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 ^{SF*}	±.00015"	D: .40"	220
		295-253 ^{S*}	±.00015"	D: .40"	220

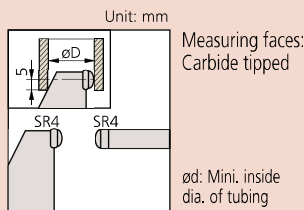
S-F: Spherical anvil and flat spindle
 S-S: Spherical anvil and spherical spindle
 *.0001" reading is obtained with vernier.

Metric With spherical anvil					
Range	Graduation	Order No.	Accuracy	Remarks	Mass (g)
0 - 25mm	0.01mm	115-115 ^{SF}	±3µm	D: 10mm	180
		115-215 ^S	±3µm	D: 10mm	180
25 - 50mm	0.01mm	115-116 ^{SF}	±3µm	D: 11mm	240
		115-216 ^S	±3µm	D: 11mm	240
50 - 75mm	0.01mm	115-117 ^{SF}	±3µm	D: 17mm	315
		115-217 ^S	±3µm	D: 17mm	315
75 - 100mm	0.01mm	115-118 ^{SF}	±4µm	D: 18mm	375
		115-218 ^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 ^{SF*}	±.00015"	D: .40"	180
0 - 1"	.0001"	115-253 ^{S*}	±.00015"	D: .40"	180
1 - 2"	.001"	115-242 ^S	±.00015"	D: .44"	240
2 - 3"	.001"	115-243 ^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.
- Non-slip grip finish (digital models).

Pin Anvil Type



395-261-30



Technical Data

Accuracy: Refer to the list of specifications.
 Flatness: .000024" / 0.6µm
 Display*: LCD
 Battery*: SR44 (1 pc.), **938882**
 Battery life*: Approx. 2.4 years under normal use
 Dust/Water protection level*: IP65
 *Digital models

Function of Digital Model

Origin-set, Zero / ABS, Data hold, Data output, inch/mm conversion (on inch/metric models only)
 Function lock
 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	395-261-30	±3µm	Type A	270
		395-262-30	±3µm	Type B	270
		395-263-30	±3µm	Type C	310
		395-264-30	±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	395-362-30	±.00015"	Type B	270
		395-363-30	±.00015"	Type C	310
		395-364-30	±.00015"	Type D	310

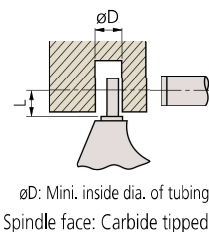
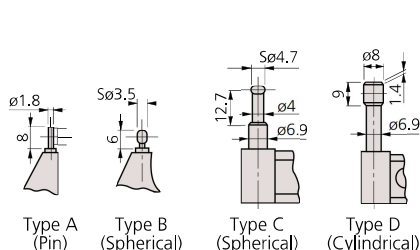
Metric — Mechanical counter model					
Range	Graduation	Order No.	Accuracy	Remarks	Mass (g)
0 - 25mm	0.01mm	295-302	±3µm	Type A	210

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.



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