

Point Micrometers

SERIES 342, 142, 112

FEATURES

- IP65 water/dust protection (Series 342).
- Pointed spindle and anvil for measuring the web thickness of drills, small grooves, keyways, and other hard-to-reach dimensions.
- 15 degree and 30 degree measuring points are available.
- The measuring points have approximately 0.3mm / .012" radius.
- With Ratchet Stop for constant force.
- With SPC output (Series 342).
- With digit counter (Series 142).
- With a standard bar except 0 - 1" and 0 - 25mm model.
- Supplied in fitted plastic case.

Technical Data

Accuracy: Refer to the list of specifications.
Resolution*: .00005"/0.001mm or 0.001mm
Graduation*: .001" or 0.01mm
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

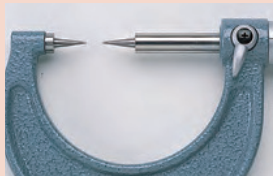
Origin-set, Zero / ABS, Data hold,
inch/mm conversion (on inch/metric models only)
Alarm: Low voltage, Counting value composition error

Optional Accessories for Digital Model

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



Tip angle: 15° (R0.3mm)



Tip angle: 30° (R0.3mm)



SPECIFICATIONS

Metric Digital model (with carbide tip)

Range	Resolution	Order No.	Accuracy	Point	Mass (g)
0 - 25mm	0.001mm	342-251	±2μm	15°	330
		342-261	±2μm	30°	330
25 - 50mm	0.001mm	342-252	±2μm	15°	470
		342-262	±2μm	30°	470
50 - 75mm	0.001mm	342-253	±2μm	15°	625
		342-263	±2μm	30°	625
75 - 100mm	0.001mm	342-254	±3μm	15°	565
		342-264	±3μm	30°	565

Metric Mechanical Counter Model

Range	Graduation	Order No.	Accuracy	Point	Mass (g)
0 - 25mm	0.01mm	142-153*	±3μm	15°	260
		142-201*	±3μm	30°	260

*The points don't have carbide steel tips.

Metric

Range	Graduation	Order No.	Accuracy	Point	Mass (g)
0 - 25mm	0.01mm	112-165	±3μm	15°	205
		112-153*	±3μm	15°	205
		112-213	±3μm	30°	205
		112-201*	±3μm	30°	205
25 - 50mm	0.01mm	112-166	±3μm	15°	305
		112-154*	±3μm	15°	305
		112-214	±3μm	30°	305
		112-202*	±3μm	30°	305
50 - 75mm	0.01mm	112-167	±3μm	15°	370
		112-155*	±3μm	15°	370
		112-215	±3μm	30°	370
		112-203*	±3μm	30°	370
75 - 100mm	0.01mm	112-168	±4μm	15°	500
		112-156*	±4μm	15°	500
		112-216	±4μm	30°	500
		112-204*	±4μm	30°	500

*The points don't have carbide steel tips.

Inch/Metric Digital model (with carbide tip)

Range	Resolution	Order No.	Accuracy	Point	Mass (g)
0 - 1" / 0 - 25.4mm	.00005" / 0.001mm	342-351	±.0001"	15°	330
		342-361	±.0001"	30°	330
1" - 2" / 25.4 - 50.8mm	.00005" / 0.001mm	342-352	±.0001"	15°	470
		342-362	±.0001"	30°	470
2" - 3" / 50.8 - 76.2mm	.00005" / 0.001mm	342-353	±.0001"	15°	625
		342-363	±.0001"	30°	625
3" - 4" / 76.2 - 101.6mm	.00005" / 0.001mm	342-354	±.00015"	15°	565
		342-364	±.00015"	30°	565

Inch Mechanical Counter Model

Range	Graduation	Order No.	Accuracy	Point	Mass (g)
0 - 1"	.001"	142-177*	±.00015"	15°	260
		142-225*	±.00015"	30°	260

*The points don't have carbide steel tips.

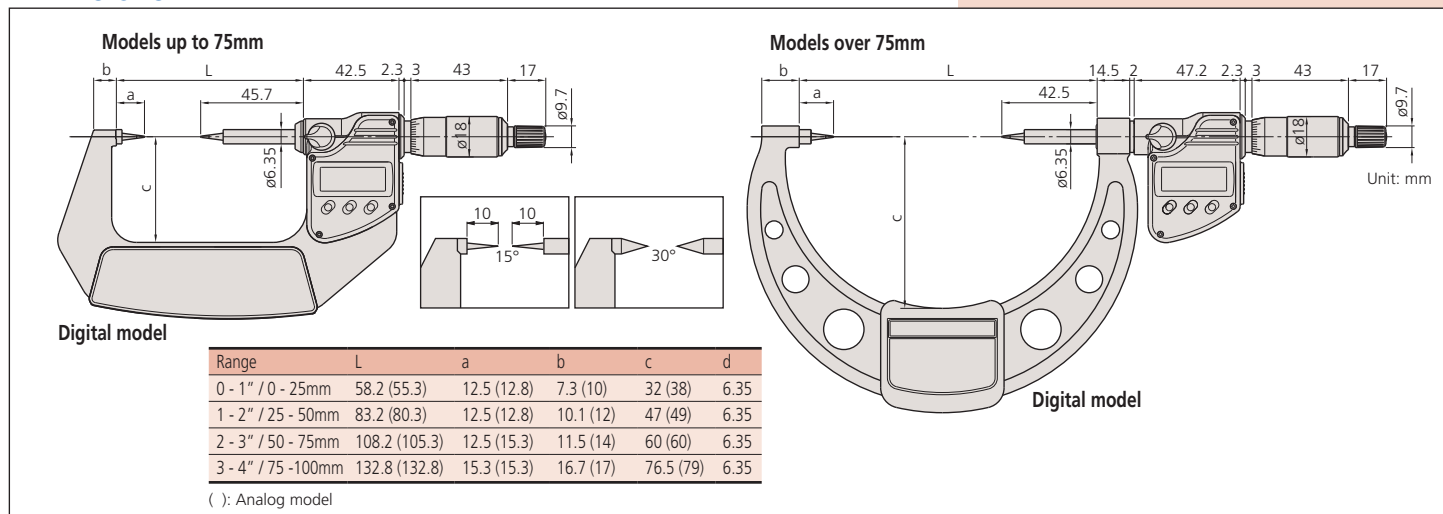
Inch

Range	Graduation	Order No.	Accuracy	Point	Mass (g)
0 - 1"	.001"	112-189	±.00015"	15°	205
		112-177*	±.00015"	15°	205
		112-237	±.00015"	30°	205
		112-225*	±.00015"	30°	205
1 - 2"	.001"	112-190	±.00015"	15°	305
		112-178*	±.00015"	15°	305
		112-238	±.00015"	30°	305
		112-226*	±.00015"	30°	305
2 - 3"	.001"	112-191	±.00015"	15°	370

*The points don't have carbide steel tips.



DIMENSIONS



Crimp Height Micrometers

SERIES 342, 142 — Point Spindle and Blade Anvil

FEATURES

- IP54/65 water/dust protection (Series 342).
- Measures the height of crimp contacts.
- With Ratchet Stop for constant force.
- With SPC output (Series 342).
- With digit counter (Series 142).
- Supplied in fitted plastic case.

SPC



IP65

Technical Data

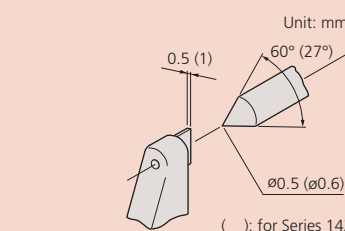
Accuracy: Refer to the list of specifications.
 Resolution*: .00005" / 0.001mm or 0.001mm
 Graduation*: 0.01mm
 Display*: LCD
 Battery*: SR44 (1 pc.), **938882**
 Battery life*: Approx. 1.2 years under normal use
 (3 years: Quickmike type)
 Dust/Water protection level*: IP65 / IP54
 *Digital models **Analog models

Function of Digital Model

Origin-set, Zero / ABS (342-271 342-371), 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)
- 937387**: SPC cable for Quickmike type (40" / 1m)
- 965013**: SPC cable for Quickmike type (80" / 2m)



SPECIFICATIONS

Metric		Digital model			
Range	Resolution	Order No.	Accuracy	Mass (g)	
0 - 20mm	0.001mm	342-271	±3µm	270	

Metric		Quickmike type			
Range	Resolution	Order No.	Accuracy	Mass (g)	
0 - 15mm	0.001mm	342-451	±3µm	275	

Metric		Mechanical counter model			
Range	Graduation	Order No.	Accuracy	Mass (g)	
0 - 25mm	0.01mm	142-402	±3µm	200	
0 - 25mm	0.001mm	142-403*	±3µm	200	

* 0.001mm reading is obtained with vernier.

Inch/Metric		Digital model			
Range	Resolution	Order No.	Accuracy	Mass (g)	
0 - 0.8" / 0 - 20mm	.00005" / 0.001mm	342-371	±.00015"	270	

Metric					
Range	Graduation	Order No.	Accuracy	Mass (g)	
0 - 25mm	0.01mm	112-401	±3µm	165	