

IP Codes (series 342)

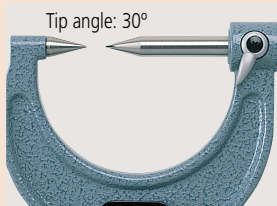
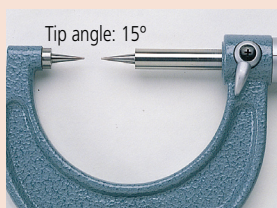
Level 6: Dust-proof.

No ingress of dust allowed.

Level 5: Protected against water jets.

Water projected in jets against the enclosure from any direction shall have no harmful effects.

Technical Data



Battery for series 342

SR44 (1 pc), **938882**, for initial operational checks (standard accessory)

Battery life: Approx. 2.4 years under normal use

(for series 342)

Length standard: Electromagnetic rotary sensor (for series 342)

Standard accessories: Reference bar, 1 pc (except for measuring range 0-25mm (0-1") models)
Spanner (301336), 1 pc

Optional accessories

Connecting cables for **series 342**

1m: **05CZA662**

2m: **05CZA663**

USB Input Tool Direct

USB-ITN-B (2m): **06ADV380B**

SPC cables for **U-WAVE** w/ data switch (160mm):

02AZD790B

For foot switch: **02AZE140B**

(Refer to page B-68 for details.)

Point Micrometers SERIES 342, 142, 112

- Pointed spindle and anvil for measuring the web thickness of drills, small grooves, keyways, and other hard-to-reach features.
- The measuring points (carbide tipped) have approximately 0.3mm radius.

- series 342: IP65 Digimatic micrometers
- Equipped with Ratchet Stop for constant measuring force.



SPECIFICATIONS

Metric				
Order No.	Range	Resolution	Accuracy*	Point
Digimatic (LCD) (With carbide tip)				
342-251-30	0 - 25mm	0.001mm	±2μm	15°
342-252-30	25 - 50mm			
342-253-30	50 - 75mm		±3μm	15°
342-254-30	75 - 100mm			
342-261-30	0 - 25mm	0.001mm	±2μm	30°
342-262-30	25 - 50mm			
342-263-30	50 - 75mm		±3μm	30°
342-264-30	75 - 100mm			

* Excluding quantizing error

Inch/Metric				
Order No.	Range	Resolution	Accuracy*	Point
Digimatic (LCD) (With carbide tip)				
342-351-30	0 - 1"	.00005"/ 0.001mm	±.0001"	15°
342-352-30	1 - 2"			
342-353-30	2 - 3"		±.00015"	15°
342-354-30	3 - 4"			
342-361-30	0 - 1"	.00005"/ 0.001mm	±.0001"	30°
342-362-30	1 - 2"			
342-363-30	2 - 3"		±.00015"	30°
342-364-30	3 - 4"			

* Excluding quantizing error

Metric				
Order No.	Range	Graduation	Accuracy	Point
Analog				
112-153	0 - 25mm	0.01mm	±3μm	15°
112-154	25 - 50mm			
112-155	50 - 75mm		±4μm	15°
112-156	75 - 100mm			
112-201	0 - 25mm		±3μm	30°
112-202	25 - 50mm			
112-203	50 - 75mm		±4μm	30°
112-204	75 - 100mm			
Analog (With carbide tip)				
112-165	0 - 25mm	0.01mm	±3μm	15°
112-166	25 - 50mm			
112-167	50 - 75mm		±4μm	15°
112-168	75 - 100mm			
112-213	0 - 25mm		±3μm	30°
112-214	25 - 50mm			
112-215	50 - 75mm		±4μm	30°
112-216	75 - 100mm			
Mechanical counter model				
142-153	0 - 25mm		±3μm	15°
142-201				30°

Inch				
Order No.	Range	Graduation	Accuracy	Point
Analog				
112-177	0 - 1"		±.00015"	15°
112-178	1" - 2"			30°
112-225	0 - 1"			
112-226	1" - 2"			
Analog (With carbide tip)				
112-189	0" - 1"	.001"	±.00015"	15°
112-190	1" - 2"			
112-191	2" - 3"			30°
112-237	0 - 1"			
112-238	1" - 2"			
Mechanical counter model				
142-177	0 - 1"		±.00015"	15°
142-225				30°