

Micrometer

Point Micrometers SERIES 342

- Pointed spindle and anvil for measuring the web thickness of drills, small grooves, keyways, and other hard-to-reach dimensions.
- The measuring points (carbide tipped) have approximately 0.3 mm radius.
- Measuring faces: Carbide tipped
- IP65 water/dust protection
- Equipped with Ratchet Stop for constant measuring force.



342-251-30

SPECIFICATIONS

Metric					Inch / Metric					
Code No.	Range (mm)	Resolution (mm)	Maximum permissible error J_{MPE} (μm)	Point	Code No.	Range (in)	Resolution	Maximum permissible error J_{MPE} (in)	Point	
Digimatic (LCD) (With carbide tip)					Digimatic (LCD) (With carbide tip)					
342-251-30	0 - 25	0.001	±2	15°	342-351-30	0 - 1	0.00005 in/ 0.001 mm	±0.0001	15°	
342-252-30	25 - 50				342-352-30	1 - 2				
342-253-30	50 - 75		±3	30°	342-353-30	2 - 3		±0.00015	30°	
342-254-30	75 - 100				342-354-30	3 - 4				
342-261-30	0 - 25				342-361-30	0 - 1		±0.0001	30°	
342-262-30	25 - 50	±2	30°	342-362-30	1 - 2	±0.0001				
342-263-30	50 - 75			342-363-30	2 - 3					
342-264-30	75 - 100	±3			342-364-30	3 - 4	±0.00015			

- Power source: SR44 battery (1 pc.), **938882** included as standard (for operational checks)
- Battery life: Approx. 2.4 years under normal use
- Position detection method: Electromagnetic rotary sensor
- Standard accessories: Setting standard, 1 pc. (except for measuring range 0 to 25 mm (0 to 1 in) models), Spanner (**301336**), 1 pc.

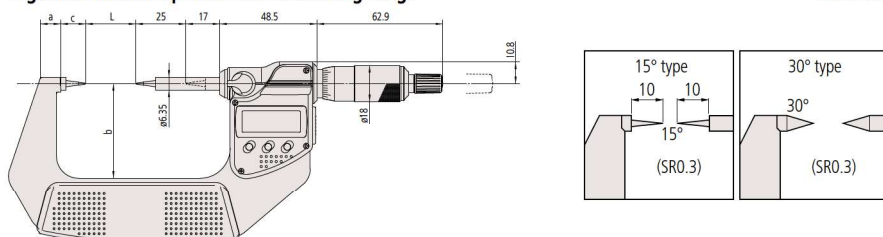
Note: For functional details, refer to page 02-7.

Optional connection cable is available only for water-proof type (Digimatic model).

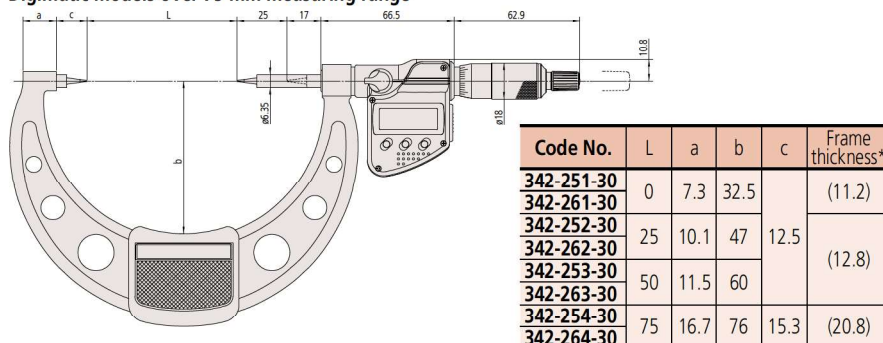
DIMENSIONS

Digimatic models up to 75 mm measuring range

Unit: mm



Digimatic models over 75 mm measuring range



Code No.	L	a	b	c	Frame thickness*
342-251-30	0	7.3	32.5		(11.2)
342-261-30					
342-252-30	25	10.1	47	12.5	(12.8)
342-262-30					
342-253-30	50	11.5	60		
342-263-30					
342-254-30	75	16.7	76	15.3	(20.8)
342-264-30					

* Digimatic type: thickness over heat shield

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IP65

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Measurement example



Optional Accessories

Code No.	Type	Description
264-020	—	USB Input Tool Series USB Keyboard Signal Conversion Type IT-020U
05CZA662	B	Connection cable (1 m)
05CZA663	B	Connection cable (2 m)
06AFM380B	B	USB Input Tool Direct (2 m)
02AZD730G	IP67	U-WAVE-T
02AZD880G	Buzzer	U-WAVE-T
02AZE200	—	U-WAVE-T mounting bracket
02AZD790B	B	Connection cable for U-WAVE-T (160 mm)
02AZE140B	B	Connection cable for U-WAVE-T For foot switch
264-622	IP67	U-WAVE-TM
264-623	Buzzer	U-WAVE-TM
264-626	IP67	U-WAVE-TMB
264-627	Buzzer	U-WAVE-TMB
02AZF310	IP67	Connecting unit for U-WAVE-TM/TMB

Point Micrometers SERIES 112, 142

- Pointed spindle and anvil for measuring the web thickness of drills, small grooves, keyways, and other hard-to-reach dimensions.
- The measuring points have approximately 0.3 mm radius.
- Carbide measuring tips are also available.
- Equipped with Ratchet Stop for constant measuring force.



112-201

SPECIFICATIONS

Metric				
Code No.	Range (mm)	Graduation (mm)	Maximum permissible error J_{MPE} (μ m)	Point
Analog				
112-153	0 - 25	0.01	± 3	15°
112-154	25 - 50			
112-155	50 - 75		± 4	30°
112-156	75 - 100			
112-201	0 - 25		± 3	30°
112-202	25 - 50			
112-203	50 - 75		± 4	30°
112-204	75 - 100			
Analog (With carbide tip)				
112-165	0 - 25	0.01	± 3	15°
112-166	25 - 50			
112-167	50 - 75		± 4	30°
112-168	75 - 100			
112-213	0 - 25		± 3	30°
112-214	25 - 50			
112-215	50 - 75		± 4	30°
112-216	75 - 100			
Mechanical counter model				
142-153	0 - 25	0.01	± 3	15°
142-201				30°

Inch					
Code No.	Range (in)	Graduation (in)	Maximum permissible error J_{MPE} (in)	Point	
Analog					
112-177	0 - 1	0.001	± 0.00015	15°	
112-178	1 - 2			30°	
112-225	0 - 1			± 0.00015	15°
112-226	1 - 2				30°
Analog (With carbide tip)					
112-189	0 - 1	0.001	± 0.00015	15°	
112-190	1 - 2				
112-191	2 - 3			± 0.00015	30°
112-237	0 - 1				
112-238	1 - 2			± 0.00015	15°
Mechanical counter model					
142-177	0 - 1	0.001	± 0.00015	15°	
142-225				30°	

• Standard accessories: Setting standard, 1 pc. (except for measuring range 0 to 25 mm (0 to 1 in) models), Spanner (301336), 1 pc.

DIMENSIONS

