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

Code No.	Range (mm)	Resolution (mm)	Maximum permissible error J_{MPE} (µm)	Point
Digimatic (With carbide tip)				
342-251-30	0 - 25	0.001	±2	15°
342-252-30	25 - 50			
342-253-30	50 - 75			
342-254-30	75 - 100		±3	
342-261-30	0 - 25		±2	30°
342-262-30	25 - 50			
342-263-30	50 - 75			
342-264-30	75 - 100		±3	

Inch / Metric

Code No.	Range (in)	Resolution	Maximum permissible error J_{MPE} (in)	Point
Digimatic (With carbide tip)				
342-351-30	0 - 1	0.00005 in/ 0.001 mm	±0.0001	15°
342-352-30	1 - 2			
342-353-30	2 - 3			
342-354-30	3 - 4		±0.00015	
342-361-30	0 - 1		±0.0001	30°
342-362-30	1 - 2			
342-363-30	2 - 3			
342-364-30	3 - 4		±0.00015	

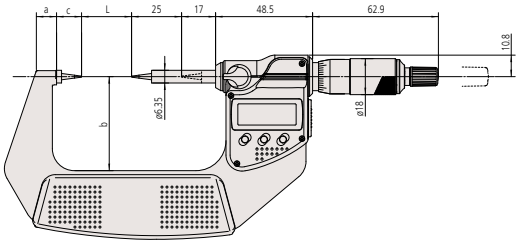
- Power source: SR44 battery (1 pc.), **938882** included as standard (for operational checks)
- Battery life: Approx. 2.4 years under normal use
- Position detection method: Electromagnetic rotary sensor
- Standard accessories: Setting standard, 1 pc. (except for measuring range 0 to 25 mm (0 to 1 in)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

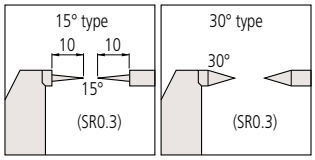
Note: For functional details, refer to page 02-7.
Optional connection cable is available only for water-proof type (Digimatic model).

DIMENSIONS

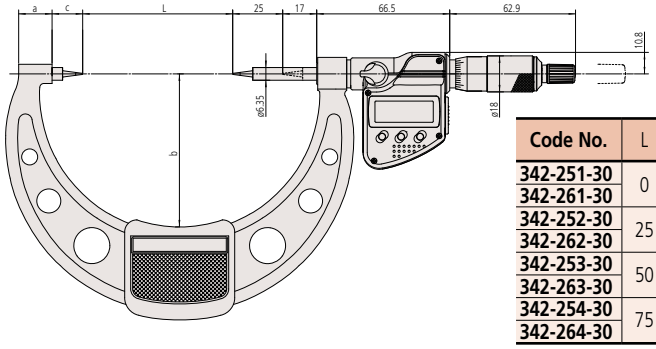
Digimatic models up to 75 mm measuring range

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	12.5	(11.2)
342-261-30					
342-252-30	25	10.1	47		(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

MeasurLink® ENABLED Data Management Software by Mitutoyo

U-WAVE fit

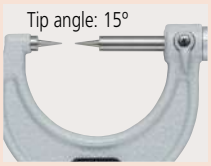
IP65

Dust- and Water-Protected

TÜVRheinland CERTIFIED www.tuv.com ID 0000040191

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**

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