

Micrometer

Spline Micrometers
SERIES 331

- The anvil and spindle have a small diameter for measuring splined shafts, slots and keyways.
- IP65 water/dust protection.
- Measuring faces: Carbide tipped
- Equipped with Ratchet Stop for constant measuring force.



SPECIFICATIONS

Metric										
Code No.	Range (mm)	Resolution (mm)	Maximum permissible error J_{MPE} (μm)	Flatness (μm)	Parallelism (μm)	Measuring face				
Digimatic										
331-251-30	0 - 25	0.001	±2	0.3	2	Type A				
331-252-30	25 - 50				3					
331-253-30	50 - 75		±3							
331-254-30*	75 - 100		Type B							
331-261-30	0 - 25				±2		2			
331-262-30	25 - 50						3			
331-263-30	50 - 75				±3					
331-264-30*	75 - 100									

Inch / Metric										
Code No.	Range (in)	Resolution	Maximum permissible error J_{MPE} (in)	Flatness (in)	Parallelism (in)	Measuring face				
Digimatic										
331-351-30	0 - 1	0.00005 in/ 0.001 mm	±0.0001	0.000012	0.00008	Type A				
331-352-30	1 - 2				0.00012					
331-353-30	2 - 3		±0.00015							
331-354-30	3 - 4		Type B							
331-361-30	0 - 1				±0.0001		0.00008			
331-362-30	1 - 2						0.00012			
331-363-30	2 - 3				±0.00015					
331-364-30	3 - 4									

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

DIMENSIONS

Digimatic models
Models up to 75 mm measuring range

Digimatic models
Models over 75 mm measuring range

Code No.	L	a	b	c
331-251-30	0	7.3	32.5	17.5
331-261-30	25	10.1	47	
331-252-30	50	11.5	60	
331-253-30	75	16.7	76	20.3
331-263-30				
331-254-30				
331-264-30				

MeasurLink[®] ENABLED
Data Management Software by Mitutoyo

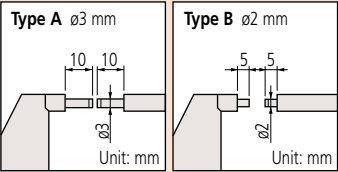
U-WAVE^{fit}

IP65

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Dust- and
Water-
Protected

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