MeasurLink® ENABLED Data Management Software by Mitutoyo

U-WAVE fit

IP65

Dust- and Water-Protected

TÜVRheinland CERTIFIED www.tuv.com ID 0000040191

PROPRIETARY INSPECTION CERTIFICATE

Functions

Refer to page 02-7.

Optional Accessories

Only for models with data output function

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**

Coolant Proof Micrometers
SERIES 293 — IP65 Digimatic Micrometer

- Accurate and highly environmentally resistant, assisting with many types of measurements.
- Oil-resistant material used for all plastic parts.
- Models equipped with a Digimatic output port can form part of a statistical process control or networked measurement system.



293-252-30

SPECIFICATIONS

Metric

Code No.	Range (mm)	Resolution (mm)	Measuring force*1 (N)	Maximum permissible error J_{MPE} (µm)	Parallelism (µm)	Flatness (µm)	Constant measuring force	Mass (g)
With SPC data output								
293-250-30	100 - 125	0.001	5 - 10	±2	3	0.3	With ratchet stop	600
293-251-30	125 - 150							740
293-252-30	150 - 175			±3				800
293-253-30	175 - 200				4			970
293-254-30	200 - 225							1100
293-255-30	225 - 250			±4				1270
293-256-30	250 - 275							1370
293-257-30	275 - 300				5			1590

Inch/Metric

Code No.	Range (in)	Resolution	Measuring force*1 (N)	Maximum permissible error J_{MPE} (in)	Parallelism (in)	Flatness (in)	Constant measuring force	Mass (g)
With SPC data output								
293-350-30	4 - 5	0.0001 in /0.001 mm	5 - 10	±0.0001	0.00012	0.000012	With ratchet stop	600
293-351-30	5 - 6							740
293-352-30	6 - 7							800
293-353-30	7 - 8			±0.00015	0.00016			970
293-354-30	8 - 9							1100
293-355-30	9 - 10							1270
293-356-30	10 - 11			±0.0002				1370
293-357-30	11 - 12				0.0002			1590

- Dust/water protection level: IP65 (IEC60529)*2
- 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 0 to 25 mm (0 to 1 in) models), Spanner (**301336**), 1 pc.

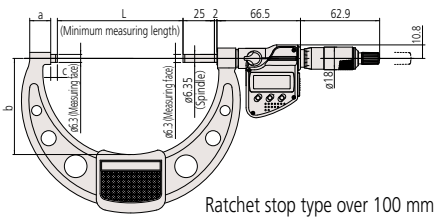
*1 Measuring force when using the speeder ratchet (Apply a measuring force in the same condition as for measurement and then set the origin.)

*2 Rustproofing shall be applied after use.

Note: All digits of models over 125 mm (5 in) measuring range are presettable.

DIMENSIONS

Unit: mm



Ratchet stop type over 100 mm

Range (mm)	Code No.	L	a	b	c
100 - 125	**293-250-30**	100	16.7	76	5.3
125 - 150	**293-251-30**	125	18.8	90	5.7
150 - 175	**293-252-30**	150	19.1	103	6.1
175 - 200	**293-253-30**	175	18.2	115	6.3
200 - 225	**293-254-30**	200	16.8	126	6.7
225 - 250	**293-255-30**	225	18	139	5.5
250 - 275	**293-256-30**	250		152	6.5
275 - 300	**293-257-30**	275		166	

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