

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.
- All models are equipped with Digimatic output so the instruments can be integrated into statistical process control or network measurement systems.



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			±3				4	740					
293-252-30	150 - 175				±4				5	800				
293-253-30	175 - 200							±4		5	970			
293-254-30	200 - 225								±4		5	1100		
293-255-30	225 - 250											±4	5	1270
293-256-30	250 - 275													±4
293-257-30	275 - 300			±4				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			±0.00015				0.00016	740					
293-352-30	6 - 7				±0.0002				0.0002	800				
293-353-30	7 - 8							±0.0002		0.0002	970			
293-354-30	8 - 9								±0.0002		0.0002	1100		
293-355-30	9 - 10											±0.0002	0.0002	1270
293-356-30	10 - 11													±0.0002
293-357-30	11 - 12			±0.0002				0.0002		1590				

- Dust/water protection level: IP65 (IEC 60529)*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				
Range (mm)	Code No.	L	a	c
100 - 125	293-250-30	100	16.7	76
125 - 150	293-251-30	125	18.8	90
150 - 175	293-252-30	150	19.1	103
175 - 200	293-253-30	175	18.2	115
200 - 225	293-254-30	200	16.8	126
225 - 250	293-255-30	225	18	139
250 - 275	293-256-30	250	18	152
275 - 300	293-257-30	275	18	166