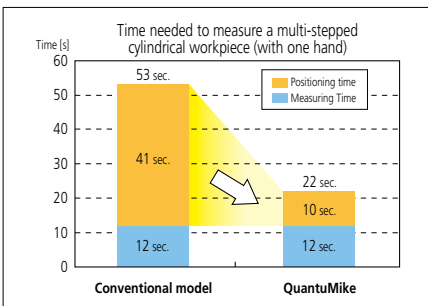


Micrometer

QuantuMike SERIES 293 — IP65 Micrometer with 2 mm/rev Spindle Feed

- Faster measurement is achieved by using a thread which feeds the spindle by 2 mm per revolution of the thimble. Our own technology for high precision thread-cutting enables such a fine and quick measurement.
- Positioning times are reduced by 60%* and measuring times by 35%* compared with a conventional micrometer.
- The ratchet thimble mechanism helps ensure repeatable results. The sound of the ratchet provides the user with a sense of confidence and the speeder enables the rapid spindle feed needed when measuring widely different dimensions.

* According to Mitutoyo's comparison test data for measuring time on typical workpieces.



293-140-30

SPECIFICATIONS

Metric

	Order No.	Range (mm)	Resolution (mm)	Maximum permissible error J_{MPE} (μ m)	Flatness (μ m)	Parallelism (μ m)	Mass (g)
with SPC data output	293-140-30	0 - 25	0.001	± 1	0.3	1	265
	293-141-30	25 - 50					325
	293-142-30	50 - 75		± 2		2	465
	293-143-30	75 - 100					620
without SPC data output	293-145-30	0 - 25		± 1		1	265
	293-146-30	25 - 50					325
	293-147-30	50 - 75		± 2		2	465
	293-148-30	75 - 100					620

Inch/Metric

	Order No.	Range (in)	Resolution	Maximum permissible error J_{MPE} (in)	Flatness (in)	Parallelism (in)	Mass (g)
with SPC data output	293-180-30	0 - 1	0.00005 in/ 0.001 mm	± 0.00005	0.000012	0.00004	265
	293-181-30	1 - 2					325
	293-182-30	2 - 3		± 0.0001		0.00008	465
	293-183-30	3 - 4					620
without SPC data output	293-185-30	0 - 1		± 0.00005		0.00004	265
	293-186-30	1 - 2					325
	293-187-30	2 - 3		± 0.0001		0.00008	465
	293-188-30	3 - 4					620

- Dust/Water protection level: IP65 (IEC60529)*1
- Measuring force: 7 to 12 N*2
- Battery: SR44 (1 pc.), **938882**, for initial operational checks (standard accessory)
- Battery life: Approx. 2.4 years under normal use
- Length standard: 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 Rustproofing shall be applied after use.

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

MeasurLink[®] ENABLED
Data Management Software by Mitutoyo

U-WAVE fit



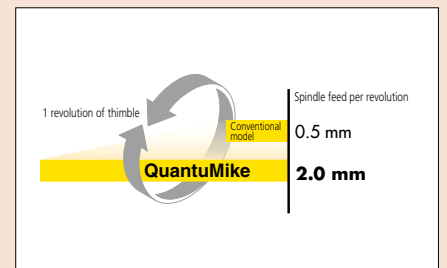
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Measurement example



Quick measurement



Ratchet thimble mechanism

