

Quickmike

Mitutoyo

**SERIES 293, 369, 422
Water Resistant
Digimatic Micrometer**



IP 54

ABSOLUTE

The Quickmike is a revolution in digital micrometer technology from Mitutoyo; the world leader in precision measuring instruments and tools. Because of its extraordinary features — a quick non-rotating 30mm (1.2") stroke spindle, an ABSOLUTE ENCODER, IP-54 level protection against water and dust, and extra-large LCD digits; the Quickmike allows high accuracy measurements to be performed even by unskilled operators in a drastically reduced inspection time. Because of its IP-54 protection capability, the Quickmike is ideal for on-site gaging in harsh environments where it would be subjected to direct coolant splash and shop contaminants.



Quickmike

IP-54 Water-Resistant Digimatic Micrometer

The Quickmike provides a wide choice of measuring ranges for a wide range of applications.



Standard type



FEATURES

Quick Measurement with a Spindle Feed That Is 20 Times Faster Than Conventional Micrometers Has Reduced Inspection Time Dramatically.

The Quickmike provides a speedy spindle feed of 10mm (.4") per thimble rotation as compared to the conventional micrometer with 0.5mm (.02") per rotation. Three (3) full turns of the thimble allow one to cover 30mm (1.2"). Also, a wide 30mm (1.2") measuring range allows various workpieces with different shapes to be measured quickly.

The Non-Rotating Spindle Even Enables Unskilled Operators to Perform Repeatable and Accurate Measurements.

With a non-rotating spindle that does not apply torsion to the workpiece and the new ratchet friction thimble that provides a stable measuring force, the Quickmike guarantees high-accuracy and repeatability of measurement values, even if the spindle is quickly brought into contact with the workpiece. It allows accurate and speedy measurements to be performed, irrespective of whether the operator is skilled or unskilled.

ABSOLUTE ENCODER

Set the origin only once! The absolute linear scale tracks the origin throughout the life of battery, meaning no more zero setting (presetting) or overspeed error.



Blade type



Disk type



IP-54 Dust/Water Protection* Level

The Quickmike resists water splash & shop floor contaminants for safe operation in harsh machine shop environments (when not connected with data output cable).

- *IP-54 protection requirements —
- (i) Water spray from any direction against the equipment must not adversely effect its operation.
- (ii) Dust must not penetrate to the extent that it adversely effects equipment operation.

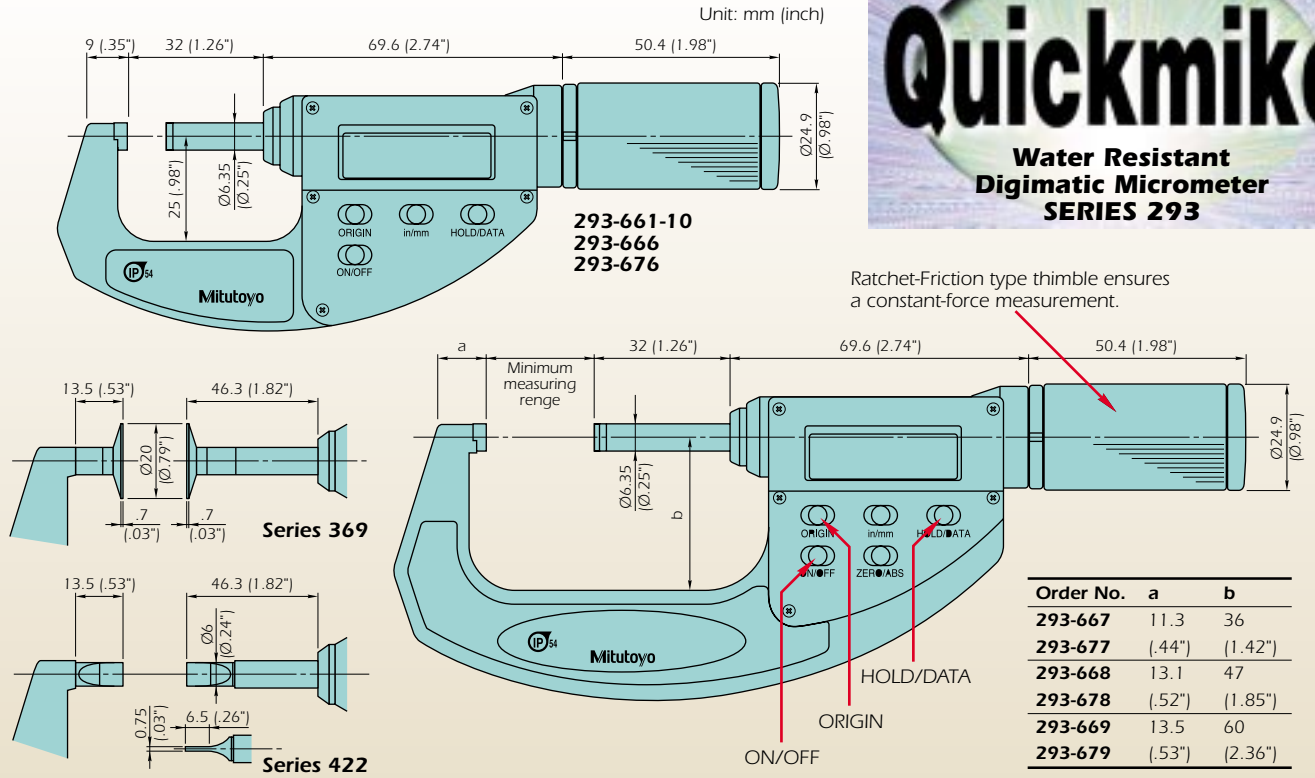


Large LCD Digits of 7.5mm Height for Error-Free Reading

3 Years of Extended Battery Life (Nominal)

The battery life has been extended to 17,000 hours under continuous operation. In normal operation the life span is approximately 3 years (for 0 - 30mm (1.2") type only).

Dimensions



- **Display:** 6-digit LCD (Character height: 7.5mm/.3")
- **Quantizing error:** ±1 count
- **Measuring faces:**
 - Material — Carbide (Series 293)
 - Flatness — 0.3µm or less (Series 293)
1µm or less (Series 369)
 - Parallelism — 2µm/3µm* or less (Series 293)
4µm or less (Series 369)
3µm or less (Series 422)
*75 - 105mm/3" - 4.2" type
- **Measuring force:** 5 - 10N/3 - 8N (Series 369)
- **Dust/Water protection level:** Conforming to IP-54
- **Functions:** Origin setting, inch/mm conversion (.00005"/0.001mm type only), data hold*, data output*, low battery voltage alarm, scale contamination alarm
*Not provided for **293-661-10** model
- **Power supply:** SR44 battery cell (Part No. **938882**) x 1pc.
- **Battery life:** Approx. 3years (**293-661-10**, **293-666** and **293-676**) /Approx. 1year
- **Standard accessories:** SR44 battery cell (No. **938882**, 1pc.), standard for origin setting (not provided for 0 - 30mm/1.2" type), fitted case

SPECIFICATIONS

Standard type

Range	Order No.	Resolution	Accuracy	Mass
0 - 30mm	293-661-10	0.001mm	±2µm	275g
	293-666	0.001mm	±2µm	275g
25 - 55mm	293-667	0.001mm	±2µm	355g
50 - 80mm	293-668	0.001mm	±3µm	525g
75 - 105mm	293-669	0.001mm	±3µm	625g
0 - 1.2" (0 - 30mm)	293-676	.00005"/0.001mm	±.00008"	.61 lbs.
1" - 2.2" (25 - 55mm)	293-677	.00005"/0.001mm	±.00008"	.78 lbs.
2" - 3.2" (50 - 80mm)	293-678	.00005"/0.001mm	±.00012"	1.16 lbs.
3" - 4.2" (75 - 105mm)	293-679	.00005"/0.001mm	±.00012"	1.38 lbs.

Disk type

Range	Order No.	Resolution	Accuracy	Mass
0 - 30mm	369-411	0.001mm	±4µm	360g
25 - 55mm	369-412	0.001mm	±4µm	490g
0 - 1.2"	369-421	.00005"/0.001mm	±.00012"	.79 lbs.
1" - 2.2"	369-422	.00005"/0.001mm	±.00016"	1.08 lbs.

Blade type

Range	Order No.	Resolution	Accuracy	Mass
0 - 30mm	422-411	0.001mm	±3µm	350g
25 - 55mm	422-412	0.001mm	±3µm	490g
0 - 1.2"	422-421	.00005"/0.001mm	±.00012"	.77 lbs.
1" - 2.2"	422-422	.00005"/0.001mm	±.00012"	1.08 lbs.

Optional Accessories

- No. **937387** SPC cable (1m (40"))
- No. **965013** SPC cable (2m (80"))

Specifications are subject to change without notice.

Mitutoyo
PRECISION IS OUR PROFESSION



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