

IP Codes

Level 5: Protected against dust.

Ingress of dust is not totally prevented, but dust that does penetrate must not interfere with satisfactory operation of the apparatus or impair safety.

Level 4: Protected against splashing water.

Water splashed against the enclosure from any direction shall have no harmful effects.

Technical Data

Resolution: 0.001mm, .00005"/0.001mm

Accuracy: Refer to the list of specifications.

Measuring force: 5 - 10N

SR44 (1 pc), **938882**, for initial operational checks (standard accessory)

Battery life: Approx. 3 years under normal use

(1 year for No. 293-667, 668, 669, 677, 678, 679)

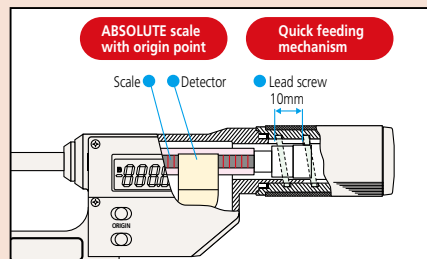
Length standard: Electrostatic capacity absolute sensor

Standard accessories: Reference bar, 1 pc

(except for measuring range 0-30mm (0-1.2") models)

Maximum response speed: without limit

The non-rotating spindle enables even inexperienced operators to perform measurements repeatably and accurately.



Optional accessories

Connecting cables

1m: **937387**

2m: **965013**

USB Input Tool Direct

USB-ITN-E (2m): **06ADV380E**

Connecting cables for **U-WAVE-T**

02AZD790E 160mm

For foot switch: **02AZE140E**

Refer to page B-68 for details.

Quickmike

SERIES 293 — IP54 ABSOLUTE Digimatic Micrometers

- The Quickmike provides a speedy spindle feed of 10mm per thimble rotation, which enables widely differently sized features to be measured quickly.
- Set the origin only once. The absolute linear scale maintains the origin throughout the life of battery, meaning no more zero setting (presetting) or overspeed error.
- Measuring faces: Carbide
- Supplied with a Ratchet Stop for constant measuring force.
- The lineup includes Blade Micrometer types (refer to page B-48), Disk Micrometer types (refer to page B-35 for details) and Crimp Height Micrometer types (refer to page B-52).



SPECIFICATIONS

Metric							
Order No.	Range	Accuracy*	Flatness	Parallelism	Mass	Output function	
293-661-10	0 - 30mm	±2µm	0.3µm	2µm	275g	Without	
293-666						With	
293-667	25 - 55mm	±3µm					
293-668	50 - 80mm				525g		
293-669	75 - 105mm			3µm	625g		

* Excluding quantizing error

Inch/Metric						
Order No.	Range	Accuracy*	Flatness	Parallelism	Mass	Output function
293-676	0 - 1.2"	±.0001"	.000012"	.00008"	275g	With
293-677	1" - 2.2"				355g	
293-678	2" - 3.2"	±.00015"		.00012"	525g	
293-679	3" - 4.2"				625g	

* Excluding quantizing error

DIMENSIONS

