

# QuantuMike

## SERIES 293 — Coolant-proof Micrometer

### FEATURES

- Faster measurement with 2mm per revolution instead of the standard 0.5mm.
- A patented ratchet thimble mechanism helps ensure repeatability.
- A function lock helps prevent error.
- IP-65 protection level.
- Certificate of inspection provided.
- With a standard bar except for 0-25mm/0-1" model.
- Supplied in fitted plastic case.



293-180-30



293-187-30

### SPECIFICATIONS

Metric			
Range	Resolution	Order No.	Accuracy
0-25mm	0.001mm	293-140-30	1µm
0-25mm	0.001mm	293-145-30*	1µm
25-50mm	0.001mm	293-141-30	1µm
25-50mm	0.001mm	293-146-30*	1µm
50-75mm	0.001mm	293-142-30	2µm
50-75mm	0.001mm	293-147-30*	2µm
75-100mm	0.001mm	293-143-30	2µm
75-100mm	0.001mm	293-148-30*	2µm

\* without SPC data output

Inch/Metric			
Range	Resolution	Order No.	Accuracy
0-1"/0 - 25.4mm	.00005"/0.001mm	293-180-30	.00005"
0-1"/0 - 25.4mm	.00005"/0.001mm	293-185-30*	.00005"
1-2"/25.4 - 50.8mm	.00005"/0.001mm	293-181-30	.00005"
1-2"/25.4 - 50.8mm	.00005"/0.001mm	293-186-30*	.00005"
2-3"/50.8 - 76.2mm	.00005"/0.001mm	293-182-30	.0001"
2-3"/50.8 - 76.2mm	.00005"/0.001mm	293-187-30*	.0001"
3-4"/76.2 - 101.6mm	.00005"/0.001mm	293-183-30	.0001"
3-4"/76.2 - 101.6mm	.00005"/0.001mm	293-188-30*	.0001"

\* without SPC data output

### DIMENSIONS AND MASS

Unit: mm

Range	L	a	b	Mass(g)
0-25mm/0-1"	0	9	25	265
25-50mm/1-2"	25	9.8	32	325
50-75mm/2-3"	50	12.6	47	465
75-100mm/3-4"	75	14	60	620

Model=25-50mm/1-2"



Certificate of inspection provided for 0-1" and 1-2" models only.

### Technical Data

Accuracy: Refer to the list of specifications  
 Resolution: 0.001mm or .00005"/0.001mm  
 Flatness: 0.3µm/.000012"  
 Parallelism: 1µm/.00004" for models up to 50mm/2"  
 2µm/.00008" for models up to 100mm/4"  
 Measuring force: 7-12N  
 Measuring faces: Carbide tipped  
 Display: LCD  
 Battery: SR44 (1 pc.), 938882  
 Battery life: Approx. 2.4 years under normal use  
 Dust/Water protection level: IP65

### Function

Origin-set, Zero / ABS, Hold, Function lock, Auto power on/off, Data output (output models), inch/mm conversion (on inch/metric models only)  
 Alarm: Low voltage, Counting value composition error

### Optional Accessories

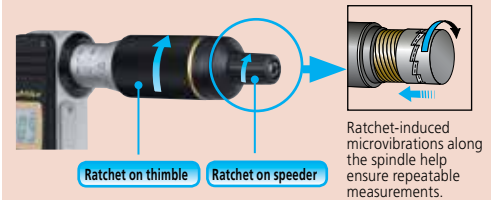
- 05CZA662: SPC cable with data switch (1m/40")
- 05CZA663: SPC cable with data switch (2m/80")



SPC cable with data switch

516-529-26 Inspection Gage Block Set  
 Rectangular Steel Gage Block  
 10 pc. blocks and 1 pc. optical parallel

516-319-26 Inspection Gage Block Set  
 Rectangular Cera Gage Block  
 10 pc. blocks and 1 pc. optical parallel



### Significant reduction in positioning time

