

Micrometers

SERIES 227 – ABSOLUTE Digimatic Adjustable Measuring Force Micrometer

- Digimatic micrometer dedicated to applications requiring a constant/low measuring force such as measuring wire, paper, and plastic/rubber parts.
- Ratchet mechanism in the thimble applies constant force to workpiece.
- Measuring force is adjustable (in steps) to suit various kinds of workpiece.
- High-accuracy measurement can be performed even by unskilled operators due to the repeatability of the automatically applied measuring force.
- Compact and easy to handle.
- Non-rotating spindle.
- Measuring faces: Carbide

Technical Data

Flatness:	0.3 μm (.000012")
Parallelism:	2 μm (.00008")
Measurement posture:	Horizontal orientation only (recommended spindle inclination: within ±3°)
Battery:	SR44 (1 pc), 938882
Battery life:	Approx. 3 years under normal use (1 year for 227-213/6/7)

Functions

- Adjustable measuring force mechanism
- Hold
- Origin point setting
- ABS measurement system
- Low voltage alarm
- Data output
- Presetting (**227-213/6/7**)

ABSOLUTE



227-211

SPECIFICATIONS

Inch/Metric						
Code No.	227-211	227-213	227-215	227-216	227-217	
Range	0-15 mm (0-.6")	15-30 mm (.6-1.2")	0-10 mm (0-.4")	10-20 mm (.4-.8")	20-30 mm (.8-1.2")	
Measuring force range	0.5-2.5 N		2-10 N			
Resolution	0.001 mm (.00005")					
Accuracy*	±2 μm (±.0001")					
Measuring force	0.5, 1.0, 1.5, 2.0, 2.5 N		2, 4, 6, 8, 10 N			
Accuracy of the selected measuring force* ¹	± (0.1 + the selected measuring force/10) N		± (0.4 + the selected measuring force/10) N			
Repeatability of measuring force* ¹	Within 0.1 N		Within 0.4 N			
Mass	300 g	380 g	340 g	425 g	415 g	
Price	£656.00	£810.00	£682.00	£720.00	£790.00	

* Excluding quantizing error.

*¹ These values are guaranteed when used in a horizontal orientation (within ±3 degrees)

DIMENSIONS

