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

ABSOLUTE

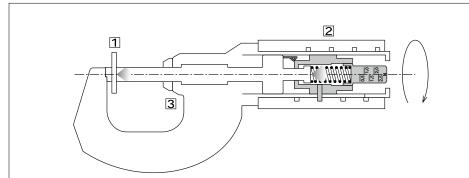


SPECIFICATIONS

Inch/Metric					
Code No.	227-211	227-213	227-215	227-216	227-217
Range	0-15 mm (06")	15-30 mm (.61.2")	0-10 mm (04")	10-20 mm (.48")	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		\pm (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



D Measuring force is generated by the action of trapping a workpiece between the spindle face and the anvil. 2 The constant-force unit applies the specified measuring force.

3 When the preset measuring force is reached, the value on the LCD is automatically held and the hold symbol appears. (To cancel the hold, reverse the thimble more than 1/10 revolution and press the hold button.)

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)











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