02

Outside Micrometers (Digimatic)



Measurement example



Functions

Adjustable measuring force mechanism, Origin point setting, Zero setting, Hold, Function Lock, Auto power off, Measurement data output, Error alarm

Optional Accessories

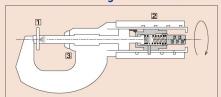
Code No.	Туре	Description					
264-020	_	USB Input Tool Series USB Keyboard Signal Conversior Type IT-020U					
05CZA662	В	Connection cable (1 m)					
05CZA663	В	Connection cable (2 m)					
06AFM380B	В	USB Input Tool Direct (2 m)					
02AZD730G	IP67	U-WAVE-T					
02AZD880G	Buzzer	U-WAVE-T					
02AZE200	_	U-WAVE-T mounting bracket					
02AZD790B	В	Connection cable for U-WAVE-T (160 mm)					
02AZE140B	В	Connection cable for U-WAVE-T For foot switch					

Adjustable Measuring Force



To preset the measuring force, adjust the measuring force setting scale on the thimble with the screwdriver supplied.

Constant-Measuring-Force Mechanism



- 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 count 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.)

ABSOLUTE Digimatic Micrometers SERIES 227 — with Adjustable Measuring Force

- Digimatic micrometer equipped with a constant/low measuring force mechanism. The measurement-value hold function automatically retains the data at a specified • Non-rotating spindle reduces workpiece measuring force. (Pressing with a larger force than the specified measuring force does not affect the measurement result.)
 - It is suitable for measuring flexible workpieces such as electric wire, paper, and rubber.
 - deformation.
 - Measuring faces: Carbide tipped



SPECIFICATIONS

Metric

Code No.	Range (mm)	Resolution (mm)	force (NI)	Maximum permissible error Јмре (µm)	Flatness (µm)	Parallelism (µm)	Measuring force (N)	Accuracy of the selected measuring force* (N)	Repeatability of measuring force* (N)	Mas (g)
Vith SPC data o								/0.4 II.:		
227-201-20	0 - 15	0.001	0.5 - 2.5 (adjustable)	±2	0.3	2	0.5, 1.0, 1.5, 2.0, 2.5	± (0.1+ the selected	within 0.1	30
227-203-20	15 - 30							measuring force/10)		38
227-205-20	0 - 10		2 - 10 (adjustable)				2, 4, 6, 8, 10	± (0.4+ the	within 0.4	34
227-206-20	10 - 20							selected measuring		42
227-207-20	20 - 30							force/10)		41
Inch/Metric		ı								
Code No.	Range (in)	Resolution	Measuring force (N)	Maximum permissible error JMPE (in)	Flatness (in)	Parallelism (in)	Measuring force (N)	Accuracy of the selected measuring force* (N)	Repeatability of measuring force* (N)	Ma (g
Vith SPC data o	utput									
227-211-20	0 - 0.6	0.00005 in/ 0.001 mm	0.5 - 2.5 (adjustable)	±0.0001	0.000012	0.00008	0.5, 1.0, 1.5, 2.0, 2.5	± (0.1+ the	within 0.1	30
227-213-20	0.6 - 1.2							selected measuring force/10)		38
227-215-20	0 - 0.4		2 - 10 (adjustable)				2, 4, 6, 8, 10	± (0.4+ the	within 0.4	34
227-216-20	0.4 - 0.8							selected		42
227-217-20	0.8 - 1.2							measuring		41

- Measurement posture: horizontal orientation only (Recommended spindle inclination: within ±3°)
 Power source: SR44 battery (1 pc.), 938882 included as standard (for operational checks)
- Battery life: Approx. 5 years under normal use
 Position detection method: Electrostatic capacity absolute sensor
- Standard accessories: Setting standard, 1 pc. (except for measuring range 0 to 15 mm (0 to 0.6 in)/0 to 10 mm (0 to 0.4 in) models), Screwdriver (210183), 1 pc.
- * These values are guaranteed when micrometer is used in a horizontal orientation (within ±3 degrees)

DIMENSIONS

