

SMALL TOOLS

เครื่องมือวัดละเอียด

Micrometers
ไมโครเมเตอร์

Micrometer
ไมโครเมเตอร์

Inside
Measurement
เครื่องมือวัดภายใน

Calipers
คิลิปเปอร์

Height Gages
เกจวัดความสูง

Linear Height
เครื่องมือวัดความสูง

Depth Gages
เกจวัดความลึก

Gauge Blocks
เกจบล็อก

Reference Gages
เครื่องมืออ้างอิง

Indicators
อินดิกेटอร์

Stands
ขาตั้ง

Micrometer
ไมโครเมเตอร์

Micrometer Head
หัวไมโครเมเตอร์

Mitutoyo

ไมโครมิเตอร์วัดภายนอก

ABSOLUTE DIGIMATIC MICROMETERS SERIES 227 - with Adjustable Measuring Force

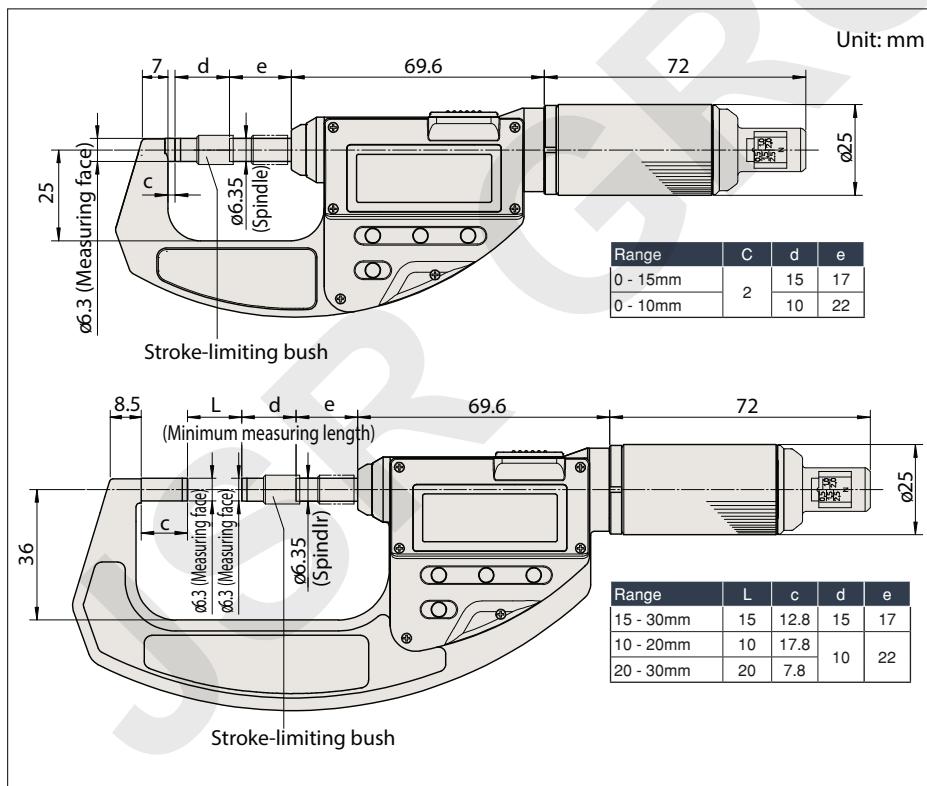


227-201-20

FEATURE

- 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.
- Compact and easy to handle.
- 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.
- Non-rotating spindle.
- Measuring faces: Carbide

DIMENSIONS



MeasurLink® ENABLED

Data Management Software by Mitutoyo

ABSOLUTE™

Technical Data

Flatness :	0.3µm / .000012"
Parallelism :	2µm / .00008"
Measurement posture :	horizontal orientation only (Recommended spindle inclination : within ±3°)
SR44 (1 pc), 938882, for initial operational checks (standard accessory)	
Battery life :	Approx. 5 years under normal use Approx. 18,000 hours in continuous use
Length standard :	Electrostatic capacity absolute sensor
Standard accessories :	Reference bar, 1 pc (except for measuring rang 0-15mm (0-.6")/0-10mm (0-.04") models) Screwdriver (210183), 1pc

Functions

Preset
Zero setting
Hold
Function Lock
On/off
Auto power off
Data output
Error alarm
Adjustable measuring force mechanism

Optional accessories

Connecting cables
1m : 05CZA662
2m : 05CZA663
USB Input Tool Direct
USB-ITN-B (2m) : 06AFM380B
Connecting cables for **U-WAVE-T**
02AZD790B 160mm
For foot switch : **02AZE140B**

Adjustable measuring force

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



Metric

Order No.	Range	Measuring force	Resolution	Accuracy*	Measuring force	Accuracy of the selected measuring force ¹⁾	Repeatability of measuring force ¹⁾	Mass
227-201-20	0 - 15mm	0.5N - 2.5N			0.5,1,0,1.5,2,0,2.5N	$\pm(0.1+\text{the selected measuring force } /10)N$	within 0.1N	300g
227-203-20	15 - 30mm							380g
227-205-20	0 - 10mm		0.001mm	$\pm 2\mu\text{m}$				345g
227-206-20	10 - 20mm	2N - 10N			2, 4, 6, 8, 10N	$\pm(0.4+\text{the selected measuring force } /10)N$	within 0.4N	425g
227-207-20	20 - 30mm							415g

* Excluding quantizing error of ± 1 count*1 : These values are guaranteed used in a horizontal orientation (within ± 3 degrees)**Inch / Metric**

Order No.	Range	Measuring force	Resolution	Accuracy*	Measuring force	Accuracy of the selected measuring force ¹⁾	Repeatability of measuring force ¹⁾	Mass
227-211-20	0 - .6"	0.5 - 2.5N			0.5,1,0,1.5,2,0,2.5N	$\pm(0.1+\text{the selected measuring force } /10)N$	within 0.1N	300g
227-213-20	.6" - 1.2"							380g
227-215-20	0 - 0.4"		0.00005"/ 0.001mm	$\pm 0.0001"$				345g
227-216-20	0.4 - 0.8"	2 - 10N			2, 4, 6, 8, 10N	$\pm(0.4+\text{the selected measuring force } /10)N$	within 0.4N	425g
227-217-20	0.8 - 1.2"							415g

* Excluding quantizing error of ± 1 count*1 : These values are guaranteed used in a horizontal orientation (within ± 3 degrees)**Constant-measuring-force mechanism**