Mitutoyo

Absolute Digimatic Caliper (without SPC data output)

Order No.	Range	Resolution	Accuracy*
500-196-30	0-6”/150mm	0.0005”/0.01mm	±0.001”/0.02mm
500-197-30	0-8”/200mm	0.0005”/0.01mm	±0.001”/0.02mm
500-193-30	0-12”/300mm	0.0005”/0.01mm	±0.0015”/0.03mm

*Excluding quantizing error of ±1 count in LSD

Absolute Digimatic Caliper (with SPC data output)

Order No.	Range	Resolution	Accuracy*
500-171-30	0-6”/150mm	0.0005”/0.01mm	±0.001”/0.02mm
500-172-30	0-8”/200mm	0.0005”/0.01mm	±0.001”/0.02mm
500-173-30	0-12”/300mm	0.0005”/0.01mm	±0.0015”/0.03mm

*Excluding quantizing error of ±1 count in LSD

Absolute Digimatic Caliper (without SPC data output)

Order No.	Range	Resolution	Accuracy*
500-181-30	0-150mm	0.01mm	0.02mm
500-182-30	0-200mm	0.01mm	0.02mm
500-153-30**	0-300mm	0.01mm	0.03mm

*Excluding quantizing error of ±1 count in LSD

** with SPC data output and with thumb roller

Functions

Absolute measurement: After power is turned ON, measurement can be started without zero-setting if origin-setting was previously performed. The Absolute origin position can be changed by the ORIGIN button.

Incremental measurement: Display can be set to zero at any arbitrary position for comparative measurements.

Low-voltage alert: If the battery voltage becomes low, a "B" appears in the display to alert the user before measurement is no longer possible. A battery change advisory alert precedes this alert.

Data output: By using the connecting cable (optional), measurement data can be output.

Data hold: By using the data hold unit (optional), the displayed value can be held. This cannot be used with the data output function.

SPECIFICATIONS

Metric

Order No.	Range (mm)	Accuracy (mm)*2	Mass (g)	Depth bar	Fine adjustment	Remarks
500-150-30	0 - 100	±0.02	143	ø1.9 mm rod	with thumb roller	—
500-180-30*1					—	
500-151-30	0 - 150		168	Blade	with thumb roller	
500-154-30						Carbide-tipped jaws for outside measurement
500-155-30						Carbide-tipped jaws for outside and inside measurement
500-158-30				ø1.9 mm rod		—
500-181-30*1				Blade	—	
500-152-30	0 - 200		198		with thumb roller	
500-156-30						Carbide-tipped jaws for outside measurement
500-157-30						Carbide-tipped jaws for outside and inside measurement
500-182-30*1					—	—
500-153-30	0 - 300	±0.03	350		with thumb roller	

*1 Without SPC data output
*2 Excluding quantizing error of ±1 count in LSD

Inch / Metric

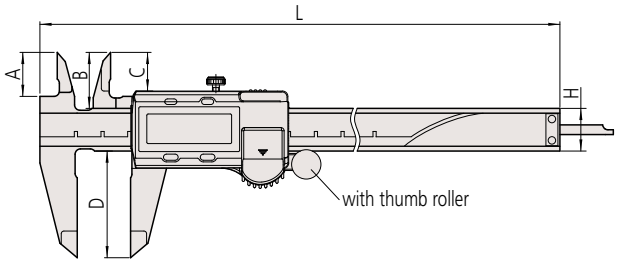
Order No.	Range (in)	Accuracy*2	Mass (g)	Depth bar	Fine adjustment	Remarks
500-170-30	0 - 4	±0.001 in/ ±0.02 mm	137	0.075 inch rod	with thumb roller	—
500-195-30*1						
500-171-30	0 - 6		162	Blade		
500-174-30						Carbide-tipped jaws for outside measurement
500-175-30						Carbide-tipped jaws for outside and inside measurement
500-178-30				0.075 inch rod		—
500-196-30*1				Blade		
500-159-30*1						Carbide-tipped jaws for outside measurement
500-160-30*1						Carbide-tipped jaws for outside and inside measurement
500-172-30	0 - 8		192			—
500-176-30						Carbide-tipped jaws for outside measurement
500-177-30						Carbide-tipped jaws for outside and inside measurement
500-197-30*1						—
500-163-30*1						Carbide-tipped jaws for outside measurement
500-164-30*1						Carbide-tipped jaws for outside and inside measurement
500-173-30	0 - 12	±0.0015 in/ ±0.03 mm	350			—
500-167-30						Carbide-tipped jaws for outside measurement
500-168-30						Carbide-tipped jaws for outside and inside measurement
500-193-30*1						—
500-165-30*1						Carbide-tipped jaws for outside measurement
500-166-30*1						Carbide-tipped jaws for outside and inside measurement

*1 Without SPC data output
*2 Excluding quantizing error of ±1 count in LSD

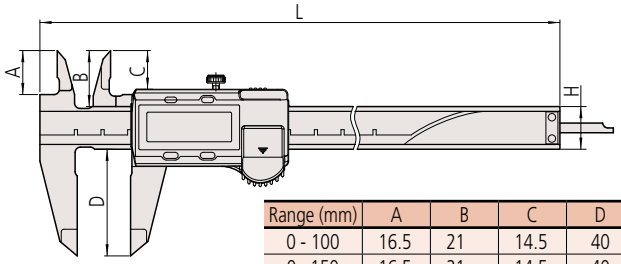
DIMENSIONS

Unit: mm

With thumb roller



Without thumb roller



Range (mm)	A	B	C	D	H	L
0 - 100	16.5	21	14.5	40	16	182
0 - 150	16.5	21	14.5	40	16	233
0 - 200	20	24.5	18	50	16	290
0 - 300	22	27.5	19.8	64	20	404

Jaw thickness: 3.5 mm for 0 to 100 mm/0 to 150 mm/0 to 200 mm models and 3.8 mm for 0 to 300 mm model

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