

ABSOLUTE Solar Caliper

SERIES 500 — No battery or origin reset needed

Mitutoyo's Absolute Solar Digimatic Caliper retains its origin point even the display turns off for the entire life of the caliper. At 60 Lux and up the ABSOLUTE solar caliper is turned on ready to start measurement.

FEATURES

- No more repeated zero setting caused by low light intensity.
- Hard-coated solar panel for increased durability.
- No fear for overspeed errors.
- With thumb roller.
- Supplied in fitted plastic case.



500-474

Technical Data

Accuracy: Refer to the list of specifications
 Resolution: .0005" / 0.01mm or 0.01mm
 Repeatability: .0005" / 0.01mm
 Display: LCD
 Length standard: ABSOLUTE electrostatic capacitance type linear encoder
 Max. response speed: Unlimited
 Battery: Solar battery*
 *Can be used continuously above 60 lux ambient illumination.

Function

Origin-set, Data hold, Data output, inch/mm conversion (on inch/metric models only)
 Alarm: Counting value composition error

Optional Accessories

- 959143:** Data hold unit (SPC output model only)
- 959149:** SPC cable with data switch (40" / 1m)
- 959150:** SPC cable with data switch (80" / 2m)

SPECIFICATIONS

Metric

Range	Order No.	Accuracy	Resolution	Remarks
0 - 100mm	500-443	±0.02mm	0.01mm	ø1.9mm round depth bar
0 - 100mm	500-453*	±0.02mm	0.01mm	ø1.9mm round depth bar
0 - 150mm	500-444	±0.02mm	0.01mm	
0 - 150mm	500-454*	±0.02mm	0.01mm	
0 - 200mm	500-445	±0.02mm	0.01mm	
0 - 200mm	500-455*	±0.02mm	0.01mm	

*without SPC data output

Inch/Metric

Range	Order No.	Accuracy	Resolution	Remarks
0 - 4" / 0 - 100mm	500-463	±.001"	.0005" / 0.01mm	.075" round depth bar
0 - 4" / 0 - 100mm	500-473*	±.001"	.0005" / 0.01mm	.075" round depth bar
0 - 6" / 0 - 150mm	500-464	±.001"	.0005" / 0.01mm	
0 - 6" / 0 - 150mm	500-474*	±.001"	.0005" / 0.01mm	
0 - 8" / 0 - 200mm	500-465	±.001"	.0005" / 0.01mm	
0 - 8" / 0 - 200mm	500-475*	±.001"	.0005" / 0.01mm	

*without SPC data output

DIMENSIONS AND MASS

Unit: mm

Range	L	a	b	c	Mass (g)
0 - 4" / 0 - 100mm	182	40	21	16.5	125
0 - 6" / 0 - 150mm	233	40	21	16.5	150
0 - 8" / 0 - 200mm	290	50	24.5	20	180