

ABSOLUTE™ (Refer to page X for details.)



An inspection certificate is supplied as standard. Refer to page X for details.

Technical Data

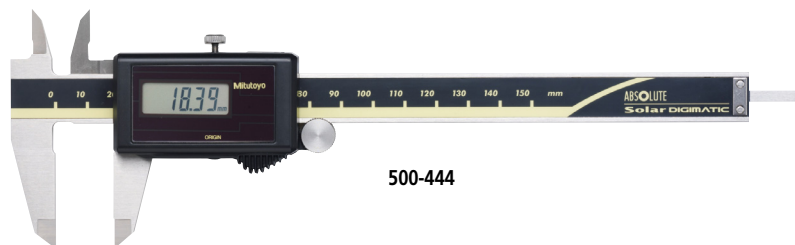
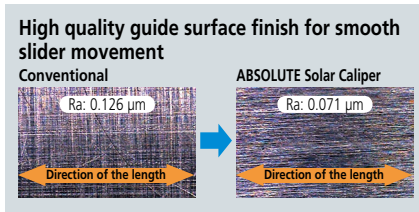
Accuracy: ±0.02 mm (excluding quantizing error)
Resolution: 0.01 mm or 0.0005 in/0.01 mm
Repeatability: 0.01 mm
Display: LCD
Scale type: ABSOLUTE electrostatic capacity linear encoder
Power supply: Solar cell*
Max. response speed: Unlimited
Operational temperature: 0 to 40°C
* Can be used continuously above 60 lux ambient illumination

Functions

Absolute measurement
Scale contamination detection
Data output (use together with optional connecting cable)
Data hold (use optional hold unit. This cannot be used with the data output function)
* For details of the function, refer to page D-8.

**ABSOLUTE Solar Caliper
SERIES 500 — No battery or origin reset needed**

- Mitutoyo's Absolute Solar Digimatic Caliper retains its origin point indefinitely.
- At 60 Lux and above the ABSOLUTE solar caliper is ready to start measurement. No more repeated zero setting caused by a shortage of light.
- An ABSOLUTE scale is incorporated so that zero setting is not required at each power ON. No danger of overspeed errors.
- Slider operation is smooth and comfortable.
- Allows step measurement.
- Allows integration into statistical process control and measurement systems for models with measurement data output connector. Refer to page A-3.



500-444

SPECIFICATIONS

Metric			
Order No.	Range	Depth bar	Fine adjustment
500-443	0 - 100 mm	ø1.9 mm rod	with thumb roller
500-453*			
500-444	0 - 150 mm	Blade	
500-454*			
500-445			
500-455*	0 - 200 mm		

* without SPC data output

Inch/Metric			
Order No.	Range	Depth bar	Fine adjustment
500-463	0 - 4 in	0.075 inch rod	with thumb roller
500-473*			
500-464	0 - 6 in	Blade	
500-474*			
500-465			
500-475*	0 - 8 in		

* without SPC data output

DIMENSIONS

Range	A	B	C	D	H	L
0-100 mm	16.5	21	14.5	40	16	182
0-150 mm						233
0-200 mm	20	24.5	18	50		290

Jaw thickness: 3.5 mm

Optional accessories

Dedicated for the models equipped with a digimatic output function. For details, refer to page D-39.

959143: Data hold unit



Connecting cables for IT/DP/MUX*

959149: SPC cable with data button (1 m)
959150: SPC cable with data button (2 m)



USB Input Tool Direct

06AFM380C: SPC cable for USB-ITN-C (2 m)

Wireless data output **U-WAVE** 555
U-WAVE-TC: 264-620 (IP67 type)
264-621 (Buzzer type)

Connecting unit for U-WAVE-TC:
02AZF310 (IP67 type)
02AZF300 (Buzzer type)
Refer to page A-15 for details