



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

**Technical Data**

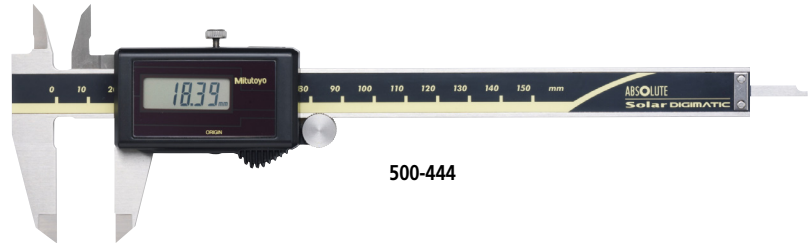
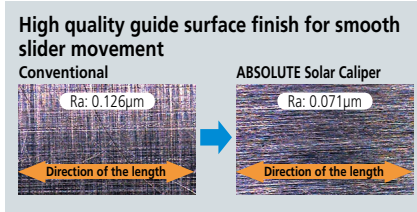
- Accuracy: ±0.02mm (excluding quantizing error)
- Resolution: 0.01mm or .0005"/0.01mm
- Repeatability: 0.01mm
- Display: LCD
- Scale type: ABSOLUTE electrostatic capacity linear encoder
- Power supply: Solar cell\*
- Max. response speed: Unlimited
- Operational temperature: 0 to 40°C
- \* Can be used continuously above 60lux 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 - 100mm	∅1.9mm rod	with thumb roller
500-453*	0 - 150mm	Blade	
500-444			
500-454*	0 - 200mm	Blade	
500-445			
500-455*			

\* without SPC data output

Inch/Metric			
Order No.	Range	Depth bar	Fine adjustment
500-463	0 - 4"	.075" rod	with thumb roller
500-473*	0 - 6"	Blade	
500-464			
500-474*	0 - 8"	Blade	
500-465			
500-475*			

\* without SPC data output

**DIMENSIONS**

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

Jaw thickness: 3.5mm

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



**USB Input Tool Direct**

- 06ADV380C: SPC cable for USB-ITN-C (2m)

**Connecting cables for U-WAVE-T**

- 02AZD790C: SPC cable for U-WAVE with data button (160mm)
- 02AZE140C: SPC cable for footswitch