## **Calipers**

An industry standard measuring tool

## **Long ABSOLUTE Digimatic Caliper** SERIES 500 — with Exclusive ABSOLUTE Data Management Software by Mitutoyo **Encoder Technology**

**MeasurLink®** ENABLED

**ABSOLUTE** 

MeasurLink® ENABLED

Products equipped with the measurement data output function can be connected to the measurement data network system MeasurLink® (refer to page A-25 for details).

for initial operational checks (standard accessory)

• Battery life: Approx. 3.5 years under normal use

• Max. response speed: Unlimited

• Long Digital caliper incorporating an ABSOLUTE scale and available with a measuring range from 450 mm to 1000 mm.

• Allows step measurement.

• Allows integration into statistical process control and measurement systems for models with measurement data output connector. (Refer to page A-3.)

• For details of the Absolute scale and its function, refer to page D-6.



500-500-10

**SPECIFICATIONS** 

500-502-10

Metric	L

Weth C								
Order No.	Range (mm)	Maximum permissible error (mm)*		Resolution (mm)	Mass (a)			
		<i>Е</i> мре	Smpe	Resolution (min)	Mass (g)			
500-500-10	0 - 450	±0.05	±0.07	0.01	1170			
500-501-10	0 - 600	±0.05	±0.07		1350			
500-502-10	0 - 1000	±0.07	±0.09		3300			

<sup>\*</sup> Partial Surface Contact Error, EMPE and Shift Error, SMPE are terms (notations) used in ISO 13385-1:2019.

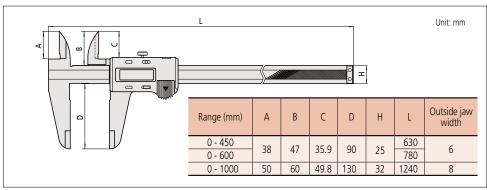
500-501-10

## Inch/Metric

Order No.	Range (in)	Maximum permissible error (mm)*		Resolution	Mass (g)			
	hariye (iii)	Емре	SMPE	Resolution	iviass (g)			
500-5	05-10	0 - 18	±0.05	±0.07	0.0005 in/ 0.01 mm	1170		
500-5	06-10	0 - 24	±0.05	±0.07		1350		
500-5	07-10	0 - 40	±0.07	±0.09		3300		

<sup>\*</sup> Partial Surface Contact Error, EMPE and Shift Error, SMPE are terms (notations) used in ISO 13385-1:2019.

## **DIMENSIONS**



**Mitutoyo**