

## Digimatic Solar Powered Caliper with Absolute Encoder (Solar CD)

*Series 500 – with or without SPC output*



500-464



500-474

### SOLAR ABSOLUTE MyCAL DIGIMATIC CALIPER

The Solar Absolute MyCAL is Mitutoyo's latest advancement in caliper technology.

The Absolute Encoder feature eliminates the need for zero setting each time the caliper is turned on.

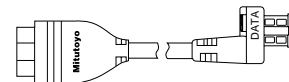
The Solar Absolute MyCAL will always turn on showing its true position. Memory of the origin point will not be lost when power is cut off even if the caliper is left in complete darkness for extended periods. Additionally, the Absolute scale provides unlimited response speed which means no more over-speed errors. For comparison measurements an incremental measurement function is also provided.

Power is supplied by built-in solar cells which operate even in low light conditions down to 60 Lux.

### Optional Accessories:

(For output models only)

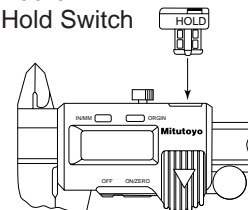
SPC Connecting Cables  
No.959149(1m), No.959150(2m)



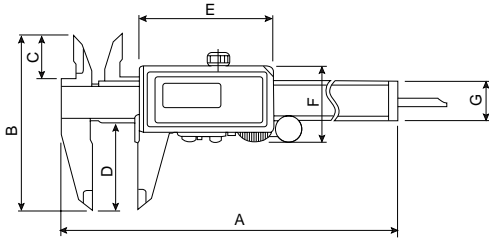
Features built-in  
Data Switch

Add-on  
Hold Switch

No.959143



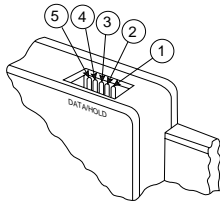
# CALIPERS



## Dimensions

Order No.	A	B	C	D	E	F	G	t*
500-463	7.1"	3.03"	.65"	1.57"	2.30"	1.50"	.63"	.138"
500-490	9.1"							
500-464	9.1"							
500-474	9.1"							
500-465	11.34"							
500-492	11.34"	3.56"	.79"	1.97"				

\* t : Jaw Thickness



## Output Specifications

Pin No.	Signal	I/O	Description
1	GND	—	Ground
2 *1	DATA	O	Measurement data
3 *1	CK	O	Clock for data transmission
4	RD	O	Ready for data transmission
5 *2	REQ	1	Request for data transmission

\*1 Open drain: -0.3 ~ +7.0V, 400μA max.

\*2 C-MOS: Pull-up to VDD(1.55V)

## Specifications

### Digimatic Solar Powered Calipers with Absolute Encoder

#### Inch/Metric

Order No.	Range	LCD Resolution	Accuracy	Remarks
500-463	0-4" 0-100mm	.0005" 0.01mm	±.001"	.075" Round Depth Bar with SPC output
500-464	0-6" 0-150mm	.0005" 0.01mm	±.001"	with SPC output
500-465	0-8" 0-200mm	.0005" 0.01mm	±.001"	with SPC output
500-473	0-4" 0-100mm	.0005" 0.01mm	±.001"	.075" Round Depth Bar without SPC output
500-474	0-6" 0-150mm	.0005" 0.01mm	±.001"	without SPC output
500-475	0-8" 0-200mm	.0005" 0.01mm	±.001"	without SPC output

For SPC output order Connecting Cable **959149** (1m) or **959150** (2m). Note: Solar Cells should be maintained over 60 lux.