

Calipers

SERIES 550 – ABSOLUTE Digimatic Coolant Proof Nib Jaw Caliper

- Offers a resolution of 0.01 mm with corresponding accuracy.
- Incorporates Mitutoyo's ABSOLUTE measurement system. No need to reset the origin after switching on.
- Models **550-311-10** and **550-341-10** are IP67 rated.
- Data output function allows integration into statistical process control and measurement systems.
- ID measurement value: displayed value + (the minimum inside measurement value mentioned below). OFFSET button automatically adds the thickness of the inside jaws to the measured value so that the result can be read directly (**550-311-10** and **550-341-10**). Preset function enables an arbitrary reference value to be added to the measured value for comparison measurements (**550-341-10**).

ABSOLUTE

IP67



550-311-10



550-223-10

SPECIFICATIONS

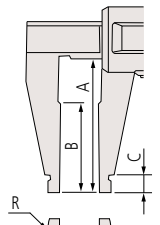
Inch/Metric				
Code No.	Range*1	Accuracy*2	Remarks	Price
550-311-10	0 - 200 mm / 0 - 8" (10 - 210 mm / .4 - 8.4")	±0.03 mm / ±.0015"	IP67	£226.00
550-341-10	0 - 300 mm / 0 - 12" (10 - 310 mm / .4 - 12.4")	±0.05 mm / ±.002"	IP67, with offset/preset function for easy inside measurement	£347.00
550-223-10	0 - 450 mm / 0 - 18" (20 - 470 mm / .5 - 18.5")			£487.00
550-225-10	0 - 600 mm / 0 - 24" (20 - 620 mm / .5 - 24.5")		£547.00	
550-227-10	0 - 1000 mm / 0 - 40" (20 - 1020 mm / 1 - 41")	±0.07 mm / ±.003"	—	£1020.00

*1 (): Inside measurement.

*2 Excluding quantizing error.

Note: Series 550 is not equipped with a depth bar.

DIMENSIONS



Range	A	B	C	R
0 - 200 mm	60	40.5	8	5
0 - 300 mm	75	50.5	12	
0 - 450 mm	100	65	18	10
0 - 600 mm				
0 - 1000 mm	140	95	24	

Unit: mm

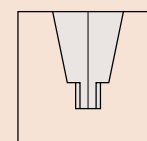
Technical Data

Resolution:	0.01 mm (.0005")
Scale type:	ABSOLUTE electromagnetic induction linear encoder
Max. response speed:	Unlimited
Battery:	SR44 (1 pc.), 938882
Battery life:	Approx. 3 years under normal use (1 year: over 300 mm models, 3.5 years: over 300 mm models)
Dust/water protection level:	IP67*3 (models up to 300 mm)

*3 Rustproofing treatment to be applied after use.

Optional Accessories

- 959143:** Data hold unit
£17.00
- Data cables for **550-311-10** and **550-341-10**
- 05CZA624:** SPC data cable with pushbutton (1 m)
£58.50
- 05CZA625:** SPC data cable with pushbutton (2 m)
£70.40
- 06ADV380A:** USB Input Tool Direct USB-ITN-A (2 m)
£106.00
- 02AZD790A:** SPC data cable for U-WAVE-T (160 mm)
£52.20
- 02AZE140A:** SPC data cable for U-WAVE-T and footswitch (160/500 mm)
£114.00
- Data cables for **550-223-10**, **550-225-10** and **550-227-10**
- 959149:** SPC data cable with pushbutton (1 m)
£34.60
- 959150:** SPC data cable with pushbutton (2 m)
£39.40
- 06ADV380C:** USB Input Tool Direct USB-ITN-A (2 m)
£90.80
- 02AZD790C:** SPC data cable for U-WAVE-T (160 mm)
£52.20
- 02AZE140C:** SPC data cable for U-WAVE-T and footswitch (160/500 mm)
£114.00



Radiused jaws for accurate ID measurement

