

# ABSOLUTE Digimatic Carbon Fibre Calipers IP66 for Interchangeable Jaws/ Scriber



**ABSOLUTE®**  
**IP66**

Functions	Series 552
OFFSET	●
DATA (output with cable) / HOLD (display value)	●
ORIGIN (ABS-Zero)	●
Auto Power OFF after 20 min. non use	●
Low voltage alarm	●
Data output	●

## Specifications

Max. response speed	Unlimited
Battery life	Approx. 5000 hours

## Standard accessories

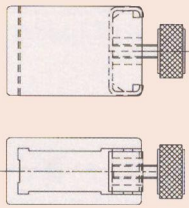
No.	Description
05GZA033	Scriber Clamp, for 9x9mm Scriber

## Optional accessories

No.	Description
05CZA624	Digimatic Cable with Data Button IP Type, 1m, Caliper Type
05CZA625	Digimatic Cable with Data Button IP Type, 2m, Caliper Type
06AFM380A	USB Input Tool Direct (Digimatic USB), Digi/Digi2, With Data Button IP Caliper Type
02AZD880G	U-WAVE-T, Buzzer Type, Wireless Transmitter
02AZD730G	U-WAVE-T, IP67 Type, Wireless Transmitter
02AZD790A	U-WAVE-T Connection Cable A, with Data Button IP Caliper Type
02AZE140A	U-WAVE-T Connection Cable A, Footswitch, with Data Button IP Caliper Type

## Consumable spares

No.	Description
938882	Battery SR44 1.5V



05GZA033

## Series 552

This is a lightweight standard model of Digimatic caliper with optional interchangeable jaws.

It offers you the following benefits:

- Its ultra-lightweight design (with carbon fibre reinforced material) reduces total weight by up to 50%.
- It has excellent resistance against water and dust (IP66 protection level) enabling you to use it in machining situations that include splashing coolant fluid.
- Direct readout of inside measurements from the LCD (you can easily set the offset value by using the offset button).
- Preset function lets you set a desired starting point.



552-182-10  
with optional accessories 07CZA056

## Metric

No.	Range [mm]	Accuracy	Data output	Mass [g]
552-181-10	0 - 450	±0,04 mm	Yes	650
552-182-10	0 - 600	±0,04 mm	Yes	725
552-183-10	0 - 1000	±0,05 mm	Yes	1480
552-184-10	0 - 1500	±0,09 mm	Yes	1880
552-185-10	0 - 2000	±0,12 mm	Yes	2280

Accuracy: without jaws

Standard contact point	Measuring range	0-450 mm / 0-18"	0-650 mm / 0-24"	0-1000 mm / 0-40"	0-1500 mm / 0-60"	0-2500 mm / 0-80"
	Combination error	± 0,06 / ± 0.0025"	± 0,06 / ± 0.0025"	± 0,07 / ± 0.0030"	± 0,11 / ± 0.0045"	± 0,14 / ± 0.0055"
Inside Point type	Measuring range (mm)	IN	50-500 mm	50-650 mm	50-1050 mm	50-1550 mm
		OUT	0-450 mm	0-600 mm	0-1000 mm	0-1500 mm
	Measuring range (in)	IN	50,8-500,8 mm / 2-20"	50,8-650,8 mm / 2-26"	50,8-1050,8 mm / 2-42"	50,8-1550,8 mm / 2-62"
		OUT	0-450 mm / 0-18"	0-600 mm / 0-24"	0-1000 mm / 0-40"	0-1500 mm / 0-60"
	Combination error	± 0,09 mm / ± 0.0035"	± 0,09 mm / ± 0.0035"	± 0,10 mm / ± 0.0040"	± 0,14 mm / ± 0.0055"	± 0,17 mm / ± 0.0070"
Centerline type	Measuring range (mm)	30-480 mm	30-630 mm	30-1030 mm	30-1530 mm	30-2030 mm
	Measuring range (in)	30,48-480,8 mm / 1,2-19,2"	30,48-630,48 mm / 1,2-25,2"	30,48-1030,48 mm / 1,2-41,2"	30,48-1530,48 mm / 1,2-61,2"	30,48-2030,48 mm / 1,2-81,2"
	Combination error	± 0,08 mm / ± 0.0030"	± 0,08 mm / ± 0.0030"	± 0,09 mm / ± 0.0035"	± 0,13 mm / ± 0.0055"	± 0,16 mm / ± 0.0065"
Scriber type	Measuring range (mm)	30-480 mm	30-630 mm	30-1030 mm	30-1530 mm	30-2030 mm
	Measuring range (in)	30,48-480,8 mm / 1,2-19,2"	30,48-630,48 mm / 1,2-25,2"	30,48-1030,48 mm / 1,2-41,2"	30,48-1530,48 mm / 1,2-61,2"	30,48-2030,48 mm / 1,2-81,2"
	Combination error	± 0,10 / ± 0.0040"	± 0,10 / ± 0.0040"	± 0,11 / ± 0.0045"	± 0,15 / ± 0.0060"	± 0,18 / ± 0.0070"
Surface Plate type + Scriber	Measuring range	0-450 mm / 0-17"	0-600 mm / 0-23,7"	0-1000 mm / 0-39,4"	0-1500 mm / 0-59,4"	0-2500 mm / 0-79,6"
	Combination error	± 0,10 / ± 0.0040"	± 0,10 / ± 0.0040"	± 0,11 / ± 0.0045"	± 0,15 / ± 0.0060"	± 0,18 / ± 0.0070"
Surface Plate type + Inside Point type	Measuring range (mm)	25-475 mm	25-625 mm	25-1025 mm	25-1525 mm	25-2025 mm
		0-450 mm	0-600 mm	0-1000 mm	0-1500 mm	0-2000 mm
	Measuring range (in)	25,4-475,4 mm / 1-19"	25,4-625,4 mm / 1-24"	25,4-1025,4 mm / 1-41"	25,4-1525,4 mm / 1-62"	25,4-2025,4 mm / 1-81"
		0-450 mm / 0-18"	0-600 mm / 0-24"	0-1000 mm / 0-40"	0-1500 mm / 0-60"	0-2000 mm / 0-80"
	Combination error	± 0,12 mm / ± 0.0025"	± 0,12 mm / ± 0.0050"	± 0,13 mm / ± 0.0055"	± 0,17 mm / ± 0.0070"	± 0,20 mm / ± 0.0080"
Surface Plate type + Center Line type	Measuring range (mm)	15-465 mm	15-615 mm	15-1015 mm	15-1515 mm	15-2015 mm
		15,254-465,24 mm / 0,6-18,6"	15,24-615,24 mm / 0,6-24,6"	15,24-1015,24 mm / 0,6-40,6"	15,24-1515,24 mm / 0,6-60,6"	15,24-2015,24 mm / 0,6-80,6"
	Combination error	± 0,11 mm / ± 0.0045"	± 0,11 mm / ± 0.0045"	± 0,12 mm / ± 0.0050"	± 0,16 mm / ± 0.0066"	± 0,19 mm / ± 0.0075"

Accuracy with different Interchangeable Jaws