ABSOLUTE Digimatic Carbon Fibre Calipers IP66 for Interchangeable Jaws/ Scriber

Functions	Series 552
ORIGIN (ABS-Zero)	●
PRESET	●
Auto Power OFF after 20 min. non use	●
Low voltage alarm	●
Data output	●

Specifications

Digital step	0,01 mm
Max. response speed	Unlimited
Display	LCD, character height 10 mm
OFFSET	20 mm
Battery life	Approx. 5000 hours
Delivered	In a case, including 1 battery, scriber clamps (2 pcs.)

Standard accessories

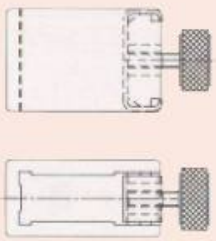
No.	Description
05GZA033	Scriber Clamp, for 9x9mm Scriber

Optional accessories

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

Consumable spares

No.	Description
63AAA800	Battery SR44 1,5 V



05GZA033

Series 552

Safety Dust- and Water-Protected
TÜVRheinland CERTIFIED
www.tuv.com ID 0000022682

ABSOLUTE IP66

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

Metric

No.	Range [mm]	Max. Permissible Error E MPE	Mass [g]	L [mm]	c [mm]	d [mm]	e [mm]
552-181-10	0–450	±0,04 mm	650	640	41,2	91,8	25
552-182-10	0–600	±0,04 mm	725	790	41,2	91,8	25
552-183-10	0–1000	±0,05 mm	1480	1230	62,8	113,8	32
552-184-10	0–1500	±0,09 mm	1880	1740	62,8	113,8	32
552-185-10	0–2000	±0,12 mm	2280	2250	62,8	113,8	32

Standard contact point	Measuring range		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"
	E_{MPE}		± 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	50,1-500 mm	50,1-650 mm	50,1-1050 mm	50,1-1550 mm	50,1-2050 mm
		OUT	0-450 mm	0-600 mm	0-1000 mm	0-1500 mm	0-2000 mm
	Measuring range (inch)	IN	2,004-20"	2,004-26"	2,004-42"	2,004-62"	2,004-82"
		OUT	0-18"	0-24"	0-40"	0-60"	0-80"
	E_{MPE}		± 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)		30,1-480 mm	30,1-630 mm	30,1-1030 mm	30,1-1530 mm	30,1-2030 mm
	Measuring range (inch)		1,204-19.2"	1,204-25.2"	1,204-41.2"	1,204-61,2"	1,204-81,2"
	S_{MPE}		± 0,08 mm / ± 0.0030"	± 0,08 mm / ± 0.0030"	± 0,10 mm / ± 0,004"	± 0,13 mm / ± 0.0055"	± 0,16 mm / ± 0.0065"
Scriber type	Measuring range (mm)		30,1-480 mm	30,1-630 mm	30,1-1030 mm	30,1-1530 mm	30,1-2030 mm
	Measuring range (inch)		1,204-19.2"	1,204-25.2"	1,204-41.2"	1,204-61.2"	1,204-81.2"
	S_{MPE}		± 0,11 / ± 0.0045"	± 0,11 / ± 0.0045"	± 0,11 / ± 0.0045"	± 0,15 / ± 0.0060"	± 0,18 / ± 0.0070"
Surface Plate type + Scriber	Measuring range		0-450 mm / 0-17,7"	0-600 mm / 0-23.7"	0-1000 mm / 0-39.4"	0-1500 mm / 0-59.4"	0-2500 mm / 0-79.6"
	E_{MPE}		± 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)	Outside	0-450 mm	0-600 mm	0-1000 mm	0-1500 mm	0-2000 mm
	Measuring range (inch)	Outside	0-18"	0-24"	0-40"	0-60"	0-80"
	E_{MPE}		± 0,12 mm / ± 0.005"	± 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)		15,1-465 mm	15,1-615 mm	15,1-1015 mm	15,1-1515 mm	15,1-2015 mm
	Measuring range (inch)		0,6-18.6"	0,6-24.6"	0,6-40.6"	0,6-60.6"	0,6-80.6"
	S_{MPE}		± 0,11 mm/ ± 0.0045"	± 0,11 mm/ ± 0.0045"	± 0,12 mm/ ± 0.0050"	± 0,16 mm/ ± 0.0065"	± 0,19 mm/ ± 0.0075"

Accuracy with different Interchangeable Jaws

All products to be sold to commercial customers.
Product illustrations are without obligation. Product descriptions, in particular any and all technical specifications, are only binding when explicitly agreed upon.

Mitutoyo