ABSOLUTE AOS Digimatic Calipers

Functions	Series 500
ORIGIN (ABS-Zero)	●
ON/OFF	●
ABS / INC (INC ZERO)	●
Low voltage alarm	●

Specifications

Digital step	0,01 mm
Max. response speed	Unlimited
Display	LCD, character height 9 mm (150, 200 mm) 11 mm (300 mm)
Battery life	Approx. 5 years under normal use
Delivered	In a case, including 1 battery

Optional accessories

No.	Description
959149	Digimatic Cable, Straight, Data Button, 1 m
959150	Digimatic Cable, Straight, Data Button, 2 m
06AFM380C	USB Input Tool Direct (Digimatic to USB), 2m Cable, Digimatic/Digimatic 2, Straight, with Data Button
264-620	U-WAVE fit, IP67 Type, Wireless Transmitter for Caliper
264-621	U-WAVE fit, Buzzer Type, Wireless Transmitter for Caliper
264-624	U-WAVE fit Bluetooth, IP67 Type, Wireless Transmitter for Caliper
264-625	U-WAVE fit Bluetooth, Buzzer Type, Wireless Transmitter for Caliper
02AZF300	Connection Unit for Standard Caliper, with Data Button for U-WAVE fit, U-WAVE fit Bluetooth
959143	Data Hold Unit, for Digital Caliper
050083-10	Depth Base Attachment for Caliper, 75mm width for 100, 150, 200mm Range
050084-10	Depth Base Attachment for Caliper, 100mm width for 100, 150, 200mm Range
050085-10	Depth Base Attachment for Caliper, 125mm width for 300mm Range

Consumable spares

No.	Description
63AAA800	Battery SR44 1,5 V



Round depth bar type



Caliper with Wireless System U-WAVE fit



050083-10

Series 500

ABSOLUTE®

PROPRIETARY INSPECTION CERTIFICATE

This digimatic caliper allows you to take reliable measurements and offers you the following benefits:

- AOS (Advanced Onsite Sensor) induction type encoder used in top-of-the-line ABS coolant-proof calipers
- Thanks to the adoption of the electromagnetic induction type ABS encoder, this caliper can be used without concern for contamination on the scale face during measurement. Detection signal is not affected by dirt (water, oil, etc.) on surface of a scale.
- ABS (ABSOLUTE) scale requires no origin setting after power-on and has no limit to response speed.

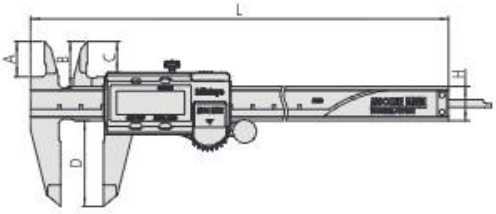


500-181-30

Metric

No.	Range [mm]	Depth bar	Thumb roller	Data output	Max. Permissible Error E MPE	Max. Permissible Error S MPE
500-180-30	0–100	Ø 1,9 mm			±0,02 mm	±0,04 mm
500-201-30	0–100	Ø 1,9 mm		●	±0,02 mm	±0,04 mm
500-150-30	0–100	Ø 1,9 mm	●	●	±0,02 mm	±0,04 mm
500-181-30	0–150	flat			±0,02 mm	±0,04 mm
500-184-30	0–150	Ø 1,9 mm			±0,02 mm	±0,04 mm
500-161-30	0–150	flat		●	±0,02 mm	±0,04 mm
500-203-30	0–150	Ø 1,9 mm		●	±0,02 mm	±0,04 mm
500-151-30	0–150	flat	●	●	±0,02 mm	±0,04 mm
500-158-30	0–150	Ø 1,9 mm	●	●	±0,02 mm	±0,04 mm
500-182-30	0–200	flat			±0,02 mm	±0,04 mm
500-162-30	0–200	flat		●	±0,02 mm	±0,04 mm
500-152-30	0–200	flat	●	●	±0,02 mm	±0,04 mm
500-205-30	0–300	flat		●	±0,03 mm	±0,05 mm
500-153-30	0–300	flat	●	●	±0,03 mm	±0,05 mm

No.	L [mm]	A [mm]	B [mm]	C [mm]	D [mm]	H [mm]	Mass [g]
500-180-30	182	16,5	21	14,5	40	16	143
500-201-30	182	16,5	21	14,5	40	16	143
500-150-30	182	16,5	21	14,5	40	16	143
500-181-30	233	16,5	21	14,5	40	16	168
500-184-30	233	16,5	21	14,5	40	16	168
500-161-30	233	16,5	21	14,5	40	16	168
500-203-30	233	16,5	21	14,5	40	16	168
500-151-30	233	16,5	21	14,5	40	16	168
500-158-30	233	16,5	21	14,5	40	16	168
500-182-30	290	20	24,5	18	50	16	194
500-162-30	290	20	24,5	18	50	16	194
500-152-30	290	20	24,5	18	50	16	198
500-205-30	404	22	27,5	19,8	64	20	345
500-153-30	404	22	27,5	19,8	64	20	350



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Mitutoyo