

ABSOLUTE AOS Digimatic Caliper

Series 500

These Digimatic calipers allow you to take reliable measurements and offer you the following benefits:

- Now equipped with the same 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 (except 300mm type).
- The slider provides smooth, stable and comfortable operation.
- Character height: 9mm (alleviation of fatigue with the high-contrast LCD)
- The ABS (ABSOLUTE) scale requires no origin setting after power-on and also has no limit to response speed.
- Extraordinary battery life



500-181-30

Metric

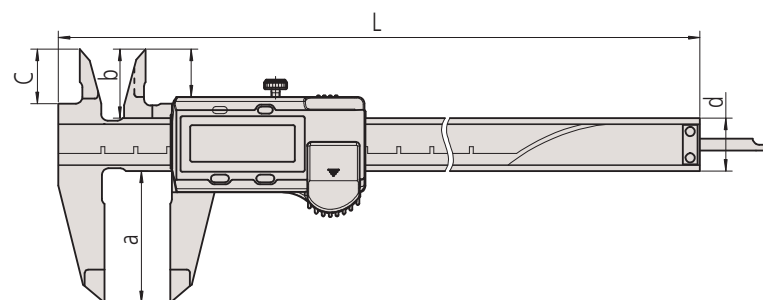
Without thumb roller

No.	Range [mm]	Depth bar	Data output	L [mm]	a [mm]	b [mm]	c [mm]	d [mm]	Mass [g]
500-180-30	0-100	Ø 1,9 mm		182	40	21	16,5	16	142
500-201-30	0-100	Ø 1,9 mm	●	182	40	21	16,5	16	143
500-184-30	0-150	Ø 1,9 mm		233	40	21	16,5	16	164
500-203-30	0-150	Ø 1,9 mm	●	233	40	21	16,5	16	168
500-181-30	0-150	flat		233	40	21	16,5	16	164
500-161-30	0-150	flat	●	233	40	21	16,5	16	164
500-182-30	0-200	flat		290	50	24,5	20	16	194
500-162-30	0-200	flat	●	290	50	24,5	20	16	194
500-205	0-300	flat	●	404	64	27,5	22	20	350

Metric

With thumb roller

No.	Range [mm]	Depth bar	Data output	L [mm]	a [mm]	b [mm]	c [mm]	d [mm]	Mass [g]
500-150-30	0-100	Ø 1,9 mm	●	182	40	21	16,5	16	143
500-151-30	0-150	flat	●	233	40	21	16,5	16	164
500-158-30	0-150	Ø 1,9 mm	●	233	40	21	16,5	16	164
500-152-30	0-200	flat	●	290	50	24,5	20	16	194
500-153	0-300	flat	●	404	64	27,5	22	20	350



ABSOLUTE®



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

Specifications

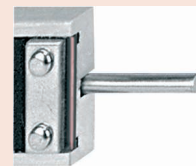
Accuracy	≤ 200 mm : ±0,02 mm / > 200 mm : ±0,03 mm (excluding quantizing error)
Digital step	0,01 mm
Max. response speed	Unlimited
Battery life	approx. 18000 hours
Display	LCD, Character Height 9 mm
Delivered	In a case, including 1 battery

Optional accessories

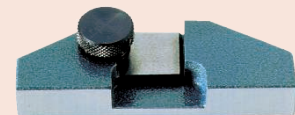
No.	Description
959149	Digimatic cable with data switch (1 m)
959150	Digimatic cable with data switch (2 m)
02AZD790C	U-WAVE Data Cable with data switch
06ADV380C	USB Input tool Direct cable with data switch (2 m)
959143	Data-hold unit
050083-10	75 base for depth measurement for models up to 200
050084-10	100 base for depth measurement for models up to 200
050085-10	125 base for depth measurement for 300 models

Consumable spares

No.	Description
938882	Battery SR44



Round depth bar type



050083-10