ABS Digimatic Caliper CD-AX/APX Series

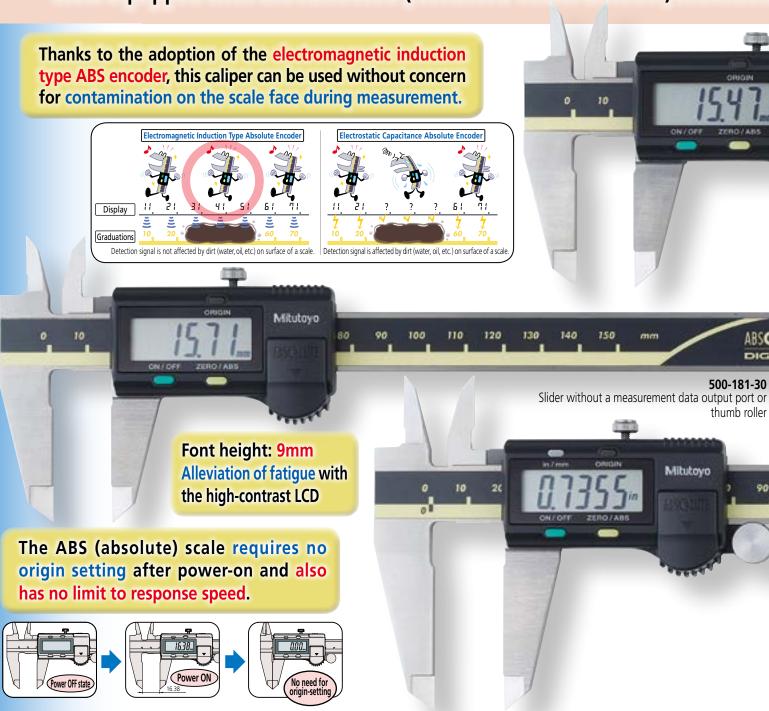
SMALL TOOL INSTRUMENTS AND DATA MANAGEMENT





ABS Digimatic Caliper CD-AX/APX Series

A new series of cost-effective standard Digimatic caliper born of Mitutoyo's Now equipped with the same AOS (Advanced Onsite Encoder) induction

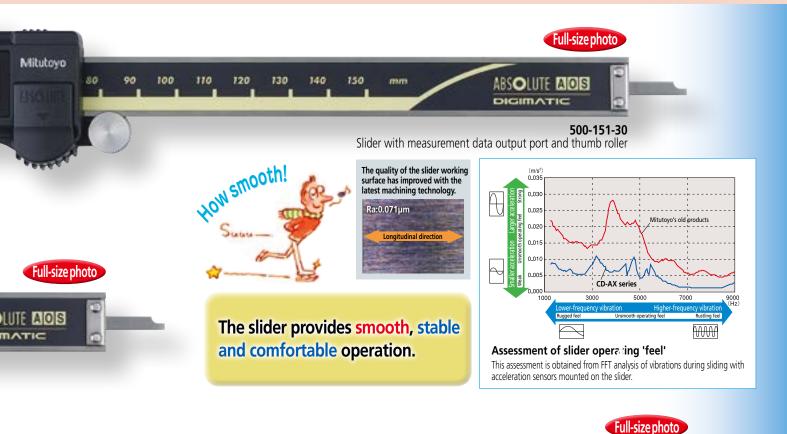


ABSOLUTE

Mitutoyo

Evolution of Mitutoyo's digital caliper 1983 • The first digital caliper. • A Digimatic-format measurement data output port is incorporated. • The first solar-powered model, which never needs a new battery.

ground-breaking encoder technologies developed over the last 30 years. type encoder used in top-of-the-line ABS coolant-proof calipers.



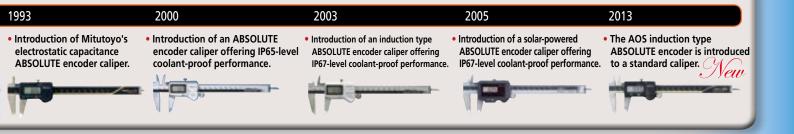


500-197-30

Slider without a measurement data output port but with a thumb roller

- A battery life of approximately 3.5 years has been achieved under normal use through the adoption of Mitutoyo's ABSOLUTE scale.
- The slider configuration features an ergonomic, thumb-friendly shape.
- Step-measurement capable.
- Carbide-tipped jaw models are ideally suited to the measurement of roughmachined workpieces, castings, grindstones, etc.
- The data output function allows integration into statistical process control and measurement systems.





Common Specifications

- Resolution: 0.01mm or 0.0005"/0.01mm
- Repeatability: 0.01mm (Quantizing error excluded)
- Power supply: Button-type silver oxide battery SR44 (No. 938882), 1 piece supplied as standard (The standard supplied battery is for the monitor.)
- Battery life: Approx. 3.5 years under normal use
- Maximum response speed: Unlimited

Functions

ABS (absolute) measurement function:

Enables absolute-mode measurement to be started without any zero-setting after switch-on. The absolute origin position can be set, or reset, with the ORIGIN switch at any time.

INC (incremental) measurement function:

Enables the display value to be set to zero, temporarily, at the current slider position to enable easy incremental-mode measurement.

Low battery alarm:

Indicates (with a 'B' symbol in the display) that the battery needs replacing. This allows timely battery replacement before the caliper becomes unusable

External output function:

Allows measurement data to be exported using the optional data cable.

Hold function:

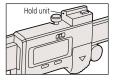
Allows a display value to be held using the optional Data Hold unit. (This function cannot be used along with the external output function.)

Optional Accessories

These accessories are available only for those models with the measurement data output function.

Data Hold unit Order No.959143





USB direct input tool USB-ITN-C (2m): Order No.06ADV380C

Connecting cable

Used for input tool DP-1VR or MUX-10F.

1m cable: Order No.959149 2m cable: Order No.959150



U-WAVE-T dedicated connecting cable

Cable for standard use: Order No.02AZD790C Cable for foot switch: Order No.02AZE140C

> Export permission by the Japanese government may be required for exporting our products according to the Foreign Exchange and Foreign Trade Law. Please consult our sales office near you before you export our products or you offer technical information to a nonresident

Coordinate Measuring Machines

Vision Measuring Systems

Form Measurement

Optical Measuring Sensor Systems

Seismometer

Testing Equipment and

Digital Scale and DRO Systems

Small Tool Instruments and Data Management

Distributed by

Mitutovo Vietnam Co., Ltd.

Tel: (84) 24-3768 8963 Fax: (84) 24-3768 8960 E-mail: mvc@mitutovo.com.vn Ho Chi Minh City Branch Tel: (84) 28-3840 3489

Fax: (84) 28-3840 3498 E-mail: mvc@mitutovo.com.vn

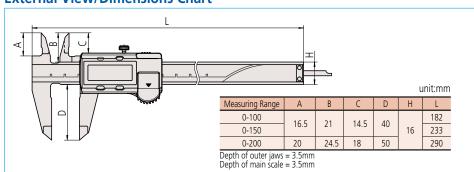
Mitutoyo Philippines, Inc. Tel: (63) 4-9544 0272 Fax: (63) 4-9544 0272 E-mail: mpi@mitutoyo.com.ph

SPECIFICATIONS

Metric						
Order No.	Range	Accuracy	Mass	Measurement data output port	Thumb roller	Remarks
500-150-30	0-100mm	±0.02mm	143 g	V	~	Depth bar ø1.9mm rod
500-180-30				-	-	
500-151-30	0-150mm		168 g	~	~	-
500-154-30						Carbide-tipped jaws for outside measurement
500-155-30						Carbide-tipped jaws for outside and inside measurement
500-158-30						Depth bar ø1.9mm rod
500-181-30				-	-	-
500-152-30	0-200mm		198 g	~	>	-
500-156-30						Carbide-tipped jaws for outside measurement
500-157-30						Carbide-tipped jaws for outside and inside measurement
500-182-30				-	-	-

Inch Measurement data Order No. Range Accuracy Mass Remarks output port roller 500-170-30 V 143 g Depth bar ø3/40" rod 500-195-30 500-171-30 500-174-30 Carbide-tipped jaws for outside measurement 500-175-30 Carbide-tipped jaws for outside and inside measurement 0-6 168 q 500-178-30 Depth bar ø3/40" rod 500-196-30 500-159-30 +0.001" Carbide-tipped jaws for outside measurement 500-160-30 Carbide-tipped jaws for outside and inside measurement 500-172-30 500-176-30 Carbide-tipped jaws for outside measurement 500-177-30 Carbide-tipped jaws for outside and inside measurement 0-8" 198 q 500-197-30 500-163-30 500-164-30 Carbide-tipped jaws for outside measurement

External View/Dimensions Chart



Note: Product illustrations are without obligation. Product descriptions, in particular any and all technical specifications, are only binding when explicitly agreed upon.

MITUTOYO and MiCAT are either registered trademarks or trademarks of Mitutoyo Corp. in Japan and/or other countries/regions. Other product, company and brand names mentioned herein are for identification purposes only and may be the trademarks of their respective holders.

Mitutoyo Asia Pacific Pte. Ltd.

Company Reg No. 197800892N

24 Kallang Avenue, Mitutoyo Building, Singapore 339415

Tel: (65) 6294 2211 Fax: (65) 6299 6666 E-mail: mapsg@mitutoyo.com.sg

Mitutovo (Malaysia) Sdn. Bhd. Tel: (60) 3-7845 9318 Fax: (60) 3-7845 9346

E-mail: mmsb@mitutoyo.com.my Penang Branch

Tel: (60) 4641 1998 Fax: (60) 4641 2998 E-mail: mmsbpen@mitutoyo.com.my

Johor Branch Tel: (60) 7352 1626 Fax: (60) 7352 1628 E-mail: mmsbjhr@mitutoyo.com.my

Mitutoyo (Thailand) Co., Ltd. Tel: (66) 2080 3500 Fax: (66) 2521 6136 E-mail: office@mitutoyo.co.th

Chonburi Branch Tel: (66) 2080 3563 Fax: (66) 3834 5788 Amata Nakorn Branch Tel: (66) 2080 3565 Fax: (66) 3846 8978

PT. Mitutovo Indonesia Tel: (62) 21-2962 8600 Fax: (62) 21-2962 8604 E-mail: ptmi@mitutoyo.co.id