WIPCOOL®
TWÓJ KLUCZ DO KOMFORTU

OPERATING MANUAL · ENGLISH

AVC150

Digital Caliper

Read this manual before use. Keep it with the unit for its entire service life.



Read the manual
Safety and connection rules before the first start-up.

Service and warranty
Service requests and warranty terms at wipcool.eu.

Documents online
Manual, data sheet and declaration of conformity at wipcool.eu.

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How to use this manual

Find the chapter you need. The numbers on the right are the pages of this booklet.

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MEANING OF SYMBOLS



Separate collection of WEEE

Do not dispose of used equipment with household waste.



CE marking

Manufacturer's declaration of conformity with EU requirements.



Read the manual

Safety and operating rules before starting work.

Wipcool AVC150 user manual

The Wipcool AVC150 Digital Caliper is used for external, internal and depth measurements. The measuring range is up to 150 mm.

The user manual is an integral part of the product. Please read this manual carefully and follow all instructions closely.

General information

Wipcool products are designed for professional use by qualified air conditioning and refrigeration engineers. As the manufacturer, Wipcool stipulates that our equipment should only be operated by suitably qualified and trained personnel.

- Observe all local safety regulations and general safety standards when using the Wipcool AVC150 Digital Caliper.
- The user manual should be kept near the device so that personnel can easily access it at all times.
- Before use, qualified personnel should read the user manual carefully and understand all the instructions it contains.
- The manufacturer accepts no liability for any damage resulting from improper use, failure to follow the user manual, lack of personnel qualifications or any unauthorised modifications to the device.
- The general terms of sale contained in the sales documents apply.

Symbols and conventions

Symbols and markings used on the device and in the manual:

01



Notice - risk of damage to the device or an incorrect result.

02



Do not dispose of the caliper with household waste.

Safety information

> **CAUTION**
> Do not allow liquid to enter the slider. Liquid can damage the electronics.

Do not disassemble the slider or the electronics.

Technical specifications

Parameter	Value
Model	AVC150
Measuring range	up to 150 mm
Resolution	0.01 mm
Maximum slider speed	3 m/s
Operating temperature	0–40 °C
Storage temperature	-20 to +70 °C
Humidity	0–80%
Power supply	1 × CR2032 3 V
Display	Five-digit LCD
Material	Stainless steel
Ingress protection rating	IP54
Hardness	52 HRC

Device diagram

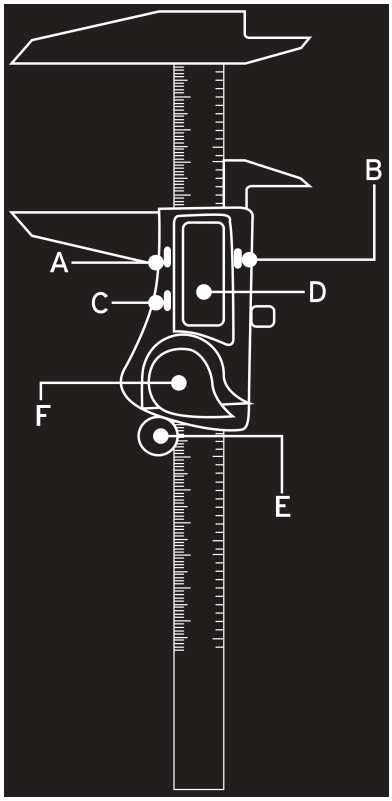


Figure 1. Component labels A–F.

Buttons

Label	Component and function
A	ON/OFF button - switches the caliper on and off.
B	mm/inch button - selects the unit: millimetres or inches.
C	ZERO button - resets the reading to zero.

Other components

Label	Component and function
D	Five-digit LCD display.
E	Slider thumbwheel.
F	Battery compartment cover.

Package contents

After unpacking, check that the set is complete and in good condition. Report any missing or damaged items to the seller.

Item	Quantity
AVC150 digital caliper	1 pc.
CR2032 3 V battery	1 pc.
Screwdriver for the battery compartment cover	1 pc.

Storage

Store the caliper at -20 to +70 °C.

If the caliper will not be used for an extended period, remove the battery and store it separately.

How to use

Before first use, insert the battery as described in ‘Replacing the battery’ (see ‘MAINTENANCE’).

Preparation and zeroing

01 Check that the jaws and depth rod are clean and that the slider moves smoothly. Wipe any dirty surfaces with a dry, lint-free cloth.

02 Switch on the caliper using the A ON/OFF button. Close the large jaws and press C ZERO.

03 Check that display D reads zero when the jaws are closed. If the reading is not zero, clean the jaws again and zero the caliper. If this does not help, carry out ‘Resetting the reading’ (see ‘MAINTENANCE’). Do not take a measurement until the reading is zero with the jaws closed.

04 Select the unit using the B mm/inch button and check it on the display.

External measurement



Figure 2. Illustration of an external measurement.

01 Use slider thumbwheel E to open the large jaws wider than the object being measured and place it between the jaws.

02 Move the slider until the jaws touch the surfaces being measured. Read the result on display D.

Internal measurement



Figure 3. Illustration of an internal measurement.

01 Close the small jaws and insert them into the opening being measured.

02 Open the jaws until they touch the internal surfaces and read the result on display D.

Depth measurement

01 Place the end of the beam flat against the surface at the opening. Move the slider until the depth rod touches the bottom.

02 Read the result on display D.

Finishing the measurement

Move the jaws or depth rod away from the measured surfaces, remove the caliper and switch it off using the A ON/OFF button.

Maintenance

Cleaning

Keep the caliper clean by wiping it periodically with a dry cloth.

Replacing the battery

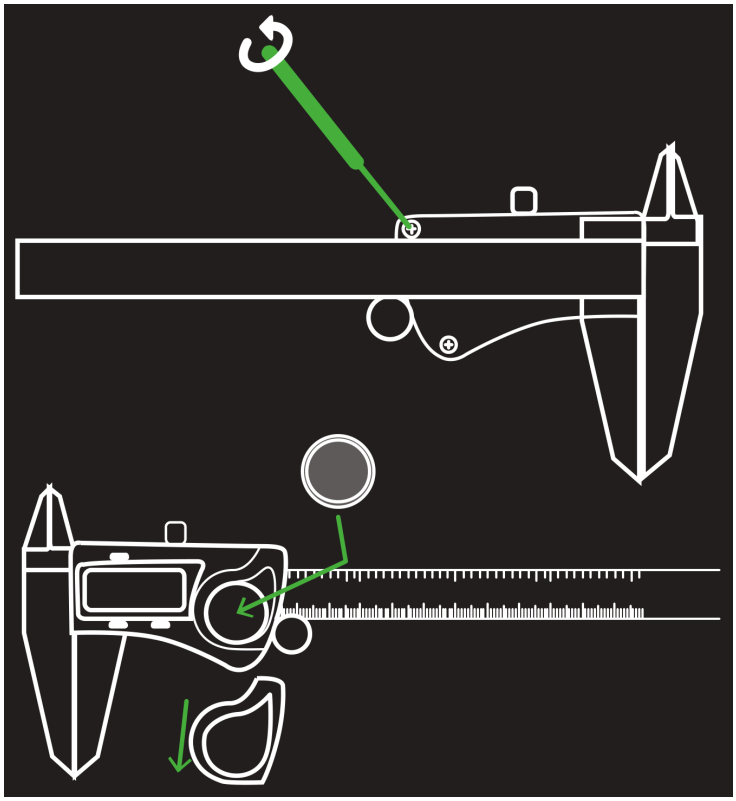


Figure 4. Unscrewing the screw and removing the battery compartment cover.

CAUTION
Insert the battery according to the polarity markings.

01 Switch off the caliper using the A ON/OFF button. Unscrew the screw on battery compartment cover F using the supplied screwdriver and remove the cover.

02 Remove the used battery and insert a new CR2032 3 V battery.

03 Replace the battery compartment cover and tighten the screw.

Resetting the reading

01 Switch off the caliper using the A ON/OFF button. Unscrew the screw on battery compartment cover F and remove the cover.

02 Note the battery orientation and remove it. After 30 s, reinsert it in the same orientation.

03 Replace the battery compartment cover and tighten the screw. Repeat the steps in ‘Preparation and zeroing’.

Repairs

Do not repair the slider or electronics yourself. Have them repaired by the service department - submit a request at wipcool.pl/serwis.

Troubleshooting

Problem	Possible cause	Solution
All five digits change simultaneously every second	Battery voltage below 2.7 V	Replace the battery as described in ‘MAINTENANCE’.
The reading does not change when the slider is moved	Circuit malfunction	Follow the steps in ‘Resetting the reading’ under ‘MAINTENANCE’.
The display remains at 000.00 or IN 00.000 and does not respond to slider movement	Possible short circuit at the button contacts or contacts in the slider	Have the device repaired by the service department - submit a request at wipcool.pl/serwis.
The function buttons do not work	The springs or rubber covers may have become deformed due to excessive pressure	Have the device repaired by the service department - submit a request at wipcool.pl/serwis.
The reading error over the full length is at least 0.1 mm	Dirt or deposits on the sensor	Have the device repaired by the service department - submit a request at wipcool.pl/serwis.
No reading on the LCD display	Poor battery contact	Check the battery compartment and clean it if necessary.

Problem	Possible cause	Solution
No reading on the LCD display	Battery voltage below 2.5 V	Replace the battery with a CR2032 3 V battery.

Waste electrical and electronic equipment

01



The crossed-out bin symbol means that the used device must not be disposed of with other waste.

Under applicable regulations on waste electrical and electronic equipment, products marked with the separate collection symbol must not be disposed of with other municipal waste. Because they contain hazardous substances, electronic products that are not sorted separately may pose a risk to the environment and human health. Proper separate collection of waste electrical and electronic equipment prevents adverse effects on the environment.

By taking used equipment to a collection point, the user contributes to its reuse, recycling and recovery.

Recycling - one method of protecting the environment. The process of recovering substances from waste that can be reused as raw materials.

Waste recovery - the use of waste that has lost its useful value, such as plastics, paper and cardboard, as secondary raw materials (also commonly understood to include its destruction).

Information on the collection system for waste electrical and electronic equipment

- Waste electrical and electronic equipment must not be disposed of with other waste.
- The collection of incomplete electrical and electronic equipment and parts from waste equipment is prohibited.
- A distributor delivering equipment intended for household use to a purchaser must collect household waste equipment free of charge at the place of delivery, provided that the waste equipment is of the same type and performs the same function as the equipment delivered.
- The user may hand over waste equipment to a waste equipment collector, a treatment facility or a municipal waste collector operating in the municipality.
- Information on collection points is available on the Public Information Bulletin (BIP) websites of regional, city and municipal offices.

Service and documents

Before submitting a request, prepare:

- Model - shown on the device rating plate and on the invoice.
- Serial number - if there is none, provide the production number (e.g. 11/2025), usually found on the underside of the device.
- Proof of purchase - an invoice or receipt from an authorised distributor.
- Description of the fault - what is happening, since when and under what conditions.

You can submit a service request at wipcool.pl/serwis. You will also find the warranty terms there.

Warranty period: 1 year.

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SERVICE AND DOCUMENTS

AVC150 · Operating manual

EDITION DETAILS

Model	**AVC150**
Edition	**06.11.2026 · EN**
Manufacturer	**Zhejiang Wipcool Refrigeration Equipment Co., Ltd.**
Authorised representative	**4REF sp. z o.o., ul. gen. Władysława Andersa 38, 15-113 Białystok**

wipcool.eu

- online manual and other languages
- data sheet and declaration of conformity
- service and requests

CE

The CE marking confirms the declared conformity with EU requirements.
Crossed-out bin: do not dispose of used equipment with household waste.