

**AUTOOL<sup>®</sup>**

**SVB302**

**Articulating  
Video Borescope**



# AUTOOL SVB302 Articulating Video Borescope User Manual

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**AUTOOL SVB302 Articulating Video Borescope**



## PRODUCT INFORMATION

## COPYRIGHT INFORMATION

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## **SAFETY RULES**

### **General safety rules**

- Always keep this user manual with the machine.
- Before using this product, read all the operational instructions in this manual. Failure to follow them may result in electric shock and irritation to skin and eyes.
- Each user is responsible for installing and using the equipment according to this user manual. The supplier is not responsible for damage caused by improper use and operation.
- This equipment must only be operated by trained and qualified personnel. Do not operate it under the influence of drugs, alcohol, or medication.
- This machine is developed for specific applications. The supplier points out that any modification and/or use for any unintended purposes is strictly prohibited.
- The supplier assumes no express or implied warranties or liabilities for personal injury or property damage caused by improper use, misuse, or failure to follow safety instructions.
- This equipment is intended for use by professionals only. Improper use by non-professionals may result in injury or damage to the tools or workpieces.
- Keep out of reach of children.
- When operating, ensure nearby personnel or animals maintain a safe distance. Avoid working in rain, water, or damp environments. Keep the work area well-ventilated, dry, clean, and bright.

### **Handling**

Used/damaged equipment must not be disposed of in household waste but must be disposed of in an environmentally friendly manner. Use designated electrical equipment collection points.

### **Electrical safety rules**

- Do not twist or severely bend the power cord, as this may damage the internal wiring. If the power cord shows signs of damage, do not use the articulating video borescope. Damaged cables pose a risk of electric shock. Keep the power cord away from heat sources, oil, sharp edges, and moving parts. Damaged power cords must

be replaced by the manufacturer, its technicians, or personnel with similar qualifications to prevent hazardous situations or injuries.

## **Equipment safety rules**

- Never leave the equipment unattended when it is powered on. Always disconnect the power cable and ensure the device is turned off when it is not being used for its intended purpose!
- Do not use the articulating video borescope in explosive environments, such as areas with flammable liquids, gases, or dust.
- Do not attempt to repair the equipment yourself.
- Before connecting the device to power, check that the battery voltage matches the value specified on the nameplate. Mismatched voltage can cause serious hazards and damage the device.
- It is essential to protect the equipment from rainwater, moisture, mechanical damage, overload, and rough handling.

## **Application**

- Before use, check the power cord, connection cables for any damage. If any damage is found, do not operate the device.
- Use the equipment only in compliance with all safety instructions, technical documents, and vehicle manufacturer specifications.
- If replacement accessories are needed, use only brand new and unopened products.

## **Personnel protection safety rules**

- Do not use this product when fatigued or while under the influence of medication.
- Protective gear may be worn when using the borescope.
- Improper use of the product may cause battery leakage. Avoid contact with the battery fluid. If contact occurs, rinse with water. Seek medical attention if the fluid comes into contact with the eyes.
- Always ensure you have a stable footing to safely control equipment in case of emergencies.

## **CAUTIONS**

### **Warning**

Before using the articulating borescope, please pay attention to the following operations:

- Please do not use this camera to connect to other manufacturers' hosts without authorization, even if their interfaces are the same.
- Do not use this product in some areas where live cables or charged objects may be contacted. Exposed metal parts can conduct electricity, which may cause danger.
- Do not let children operate the product.
- This product is prohibited from being used for medical treatment or human body testing.
- Please keep the product clean, avoid exposure to the sun, or direct contact with water, oil and corrosive liquids.
- The product is not waterproof.

- It is forbidden to twist or pull the bending body at the front end of the hose.
- Please handle with care. Do not bend the hose excessively. The bending limit of the hose is one circle.

## PRODUCT INTRODUCTION

### Overview

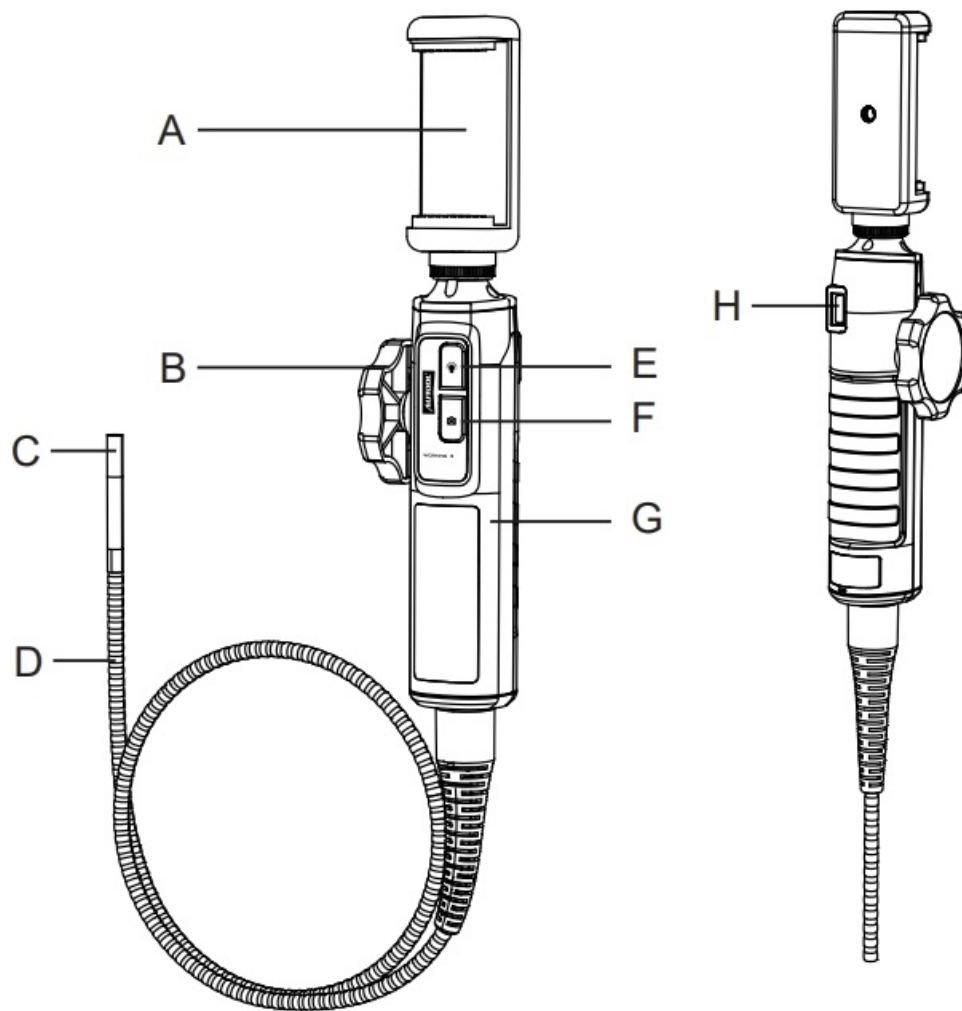
SVB302 Articulating Borescope is the latest professional product launched by AUTOOL for the global automotive market, which is specially used to detect narrow and bending spaces that are difficult to enter, such as auto evaporator, combustion chamber, three-way catalytic,etc. The product has the detection function with 210° rotation in two directions, and has a unique high-temperature alarm function, which makes it convenient for users to penetrate the small probe into the narrow space, and then transfer the vivid, clear and omni-directional video and pictures to the mobile phone screen through the data line to meet your various detection needs. Any other use is considered beyond the intended purpose of the equipment and is prohibited.

### Operating environment & Technical indicators

Camera diameter	<b>6.45mm</b>
Resolution	<b>1280*720</b>
Depth of field	<b>30~100mm</b>
Viewing angle	<b>70°</b>
Manual dimming	<b>Three-level dimming</b>
Usb interface	<b>USB 2.0</b>
Camera light source	<b>High-brightness LED lights</b>
Waterproof level	<b>IP67</b>
Hose material	<b>Flexible metal hose</b>
Hose length	<b>1m</b>
High temperature protection	<b>High-temperature alert for timely video signal interruption</b>
Steering direction	<b>Dual-directional rotation</b>
Steering angle	<b>Max.210°</b>
Bending radius	<b>35mm</b>

## PRODUCT STRUCTURE

### Structure drawing



<b>A</b>	Phone Holder	<b>B</b>	Steering Wheel
<b>C</b>	Megapixel HD Camera	<b>D</b>	Flexible Hose
<b>E</b>	Light adjustment button	<b>F</b>	Photo Capture Button
<b>G</b>	Handle Body	<b>H</b>	USB Interface

## OPERATIONS INSTRUCTION

### • App download

- Please scan the QR code to download and install the APP.



### • Operation guide

#### ◦ Phone Installation

- Adjust the rotary knob of the phone holder, install the phone on the phone holder (supports 3.5~6.3 inch screen), and connect the phone and the borescope with a data line.

- **LED Light Adjustment**

- After powering on, the LED light defaults to the brightest setting. Press the light adjustment button (E) to switch between three brightness levels. The fourth press turns off the LED light.

- **Photo Capture**

- Press the photo capture button (F) to take a photo in jpg format.

## **MAINTENANCE SERVICE**

Our products are made of long-lasting and durable materials, and we insist on perfect production process. Each product leaves the factory after 35 procedures and 12 times of testing and inspection work, which ensures that each product has excellent quality and performance.

### **Maintenance**

To maintain the performance and appearance of the product, it is recommended that the following product care guidelines be read carefully

- Be careful not to rub the product against rough surfaces or wear the product, especially the sheet metal housing.
- Please regularly check the product parts that need to be tightened and connected. If found loose, please tighten it in time to ensure the safe operation of the equipment. The external and internal parts of the equipment in contact with various chemical media should be frequently treated with anti-corrosion treatment such as rust removal and painting to improve the corrosion resistance of the equipment and extend its service life.
- Comply with the safe operating procedures and do not overload the equipment. The safety guards of the products are complete and reliable.
- Unsafe factors are to be eliminated in time. The circuit part should be checked thoroughly and the aging wires should be replaced in time.
- Adjust the clearance of various parts and replace worn (broken) parts. Avoid contact with corrosive liquids. When not in use, please store the product in a dry place. Do not store the product in hot, humid, or non-ventilated places.

## **WARRANTY**

From the date of receipt, we provide a three-year warranty for the main unit and all the accessories included are covered by a one-year warranty.

### **Warranty access**

- The repair or replacement of products is determined by the actual breakdown situation of product.
- It is guaranteed that AUTOOL will use brand new component, accessory or device in terms of repair or replacement.
- If the product fails within 90 days after the customer receives it, the buyer should provide both video and picture, and we will bear the shipping cost and provide the accessories for the customer to replace it free of charge. While the product is received for more than 90 days, the customer will bear the appropriate cost and we will provide the parts to the customer for replacement free of charge.

## These conditions below shall not be in warranty range

- The product is not purchased through official or authorized channels.
- The product breakdown because the user does not follow product instructions to use or maintain the product.

We AUTOOL pride ourselves on superb design and excellent service. It would be our pleasure to provide you with any further support or services.

## Disclaimer

All information, illustrations, and specifications contained in this manual, AUTOOL reserves the right of modify this manual and the machine itself with no prior notice. The physical appearance and color may differ from what is shown in the manual, please refer to the actual product. Every effort has been made to make all descriptions in the book accurate, but inevitably, there are still inaccuracies. if in doubt, please contact your dealer or AUTOOL after-service centre, we are not responsible for any consequences arising from misunderstandings.

## RETURN & EXCHANGE SERVICE

### Return & Exchange

- If you are an AUTOOL user and are not satisfied with the AUTOOL products purchased from the online authorized shopping platform and offline authorized dealers, you can return the products within seven days from the date of receipt; or you may exchange it for another product of the same value within 30 days from the date of delivery.
- Returned and exchanged products must be in fully saleable condition with documentation of the relevant bill of sale, all relevant accessories and original packaging.
- AUTOOL will inspect the returned items to ensure that they are in good condition and eligible. Any item that does not pass inspection will be returned to you and you will not receive a refund for the item.
- You can exchange the product through the customer service center or AUTOOL authorized distributors; the policy of return and exchange is to return the product from where it was purchased. If there are difficulties or problems with your return or exchange, please contact AUTOOL Customer Service.

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## MORE INFORMATION

### EU DECLARATION OF CONFORMITY

- We as the manufacturer declare that the designated product: Articulating Borescope (SVB302)
- Complies with the requirements of the:
- EMC Directive 2014/30/EU



- RoHS Directive 2011/65/EU + 2015/863 + 2017/2102

### Applied Standards:

- EN 55032:2015+A1:2020+A11:2020, EN 55035:2017+A11:2020, EN IEC 61000-3-2:2019 + A1:2021, EN 61000-3-3:2013 + A1:2019 + A2:2021 IEC 62321-3-1-2013, IEC 62321-5-2013, IEC 62321-5-2013, IEC 62321-4-2013+A1:2017,
- IEC 62321-7-2:2017, IEC 62321-7-1:2015, IEC 62321-6:2015, IEC 62321-8:2017
- Certificate No.: HS202403075346E, HS202403075341E
- Test Report No.: HS202403075346-1ER, HS202403075341-1ER

### Manufacturer

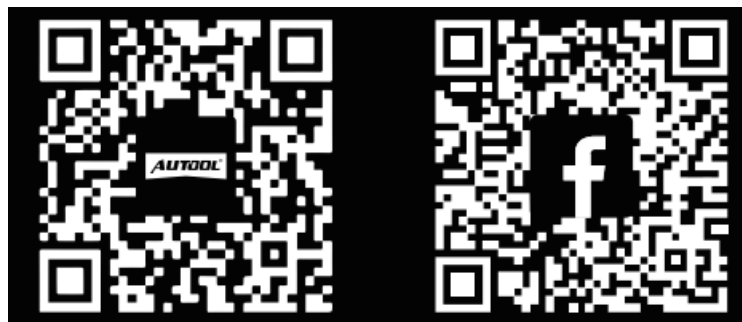
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- Execution standard: JB/T 11130-2011



### FAQs

- **Q: Can I use the borescope in wet environments?**
  - A: The borescope is not waterproof, so avoid use in wet or damp conditions to prevent damage.
- **Q: How do I calibrate the articulating probe?**
  - A: The articulating probe does not require calibration as it is pre-adjusted for optimal performance.

## Documents / Resources

	<p><a href="#">AUTOOL SVB302 Articulating Video Borescope</a> [pdf] User Manual SVB302 Articulating Video Borescope, SVB302, Articulating Video Borescope, Video Borescope , Borescope</p>
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## References

- [Tool Tech](#)
- [autooltech.com](#)
- [User Manual](#)

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