

Sealey VS8233A

Sealey VS8233A Ø6mm Video Borescope-Articulated Instruction Manual

Model: VS8233A

1. INTRODUCTION

Thank you for purchasing the Sealey VS8233A Ø6mm Video Borescope-Articulated. This portable inspection tool is designed for detailed visual inspection in hard-to-reach areas. It features a flexible, articulated probe with an integrated camera and light, transmitting images to a 70mm TFT color display. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your device.

2. SAFETY INFORMATION

- **Read all instructions:** Before operating the borescope, read and understand all safety warnings and operating instructions.
- **Battery Safety:** Use only the specified battery type (4x AA). Do not mix old and new batteries, or different types of batteries. Ensure correct polarity. Remove batteries if the device is not used for extended periods.
- **Water Resistance:** The camera probe is waterproof (IP67). The main display unit is NOT waterproof. Avoid exposing the display unit to moisture or liquids.
- **Temperature:** Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- **Probe Handling:** Handle the flexible probe carefully. Do not bend it excessively or apply undue force, which could damage the articulation mechanism or internal wiring.
- **Electrical Hazards:** Do not use the borescope near live electrical circuits or in environments with flammable gases or liquids.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth for the main unit. The camera probe can be wiped with a damp cloth.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon unpacking:

- Sealey VS8233A Video Borescope (Main Display Unit)

- Ø6mm Articulated Camera Probe (800mm length)
- 8GB Micro SD Card
- USB Data Cable
- Instruction Manual



Image: The Sealey VS8233A borescope and its components neatly organized within its protective carrying case.



Image: A top-down view of the borescope kit, showing the main unit, articulated probe, and USB cable nestled in the foam-lined case.

4. PRODUCT OVERVIEW

The Sealey VS8233A consists of a main display unit and a detachable articulated camera probe.

- **Main Display Unit:** Features a 70mm TFT color screen for viewing live footage, control buttons for power, menu, recording, and LED light adjustment.
- **Articulated Camera Probe:** An 800mm flexible cable with a Ø6mm camera head. The camera head contains a CMOS sensor and six adjustable LED lights.
- **Articulation Control:** A dial located on the probe handle allows for 2-way articulation of the camera head, enabling up to 350° movement without removing the probe from the inspection area.



Image: The Sealey VS8233A borescope, showing the red and black main display unit connected to the flexible articulated probe.

5. SETUP

5.1 Battery Installation

1. Locate the battery compartment on the back of the main display unit.
2. Open the compartment cover.
3. Insert four (4) AA batteries (not included), ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

5.2 Micro SD Card Insertion

1. Locate the micro SD card slot on the side of the main display unit.
2. Gently insert the supplied 8GB micro SD card into the slot until it clicks into place. Ensure the card is oriented correctly.

5.3 Connecting the Probe

1. Align the connector of the articulated probe with the port on the top of the main display unit.
2. Push the connector firmly into place and secure it by tightening the threaded collar.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- To power on, press and hold the **Power** button until the display illuminates.
- To power off, press and hold the **Power** button again until the display shuts down.

6.2 Adjusting LED Illumination

- The camera head features six integrated LED lights.
- Use the **Light Adjustment** buttons (usually marked with a light bulb icon or up/down arrows) on the main unit to increase or decrease the brightness of the LEDs. Adjust as needed for optimal visibility in the inspection area.

6.3 Articulating the Camera Probe

The unique articulation feature allows precise control over the camera's viewing angle.

1. Locate the articulation control dial on the handle of the flexible probe.
2. Rotate the dial to change the angle of the camera head. The camera head can articulate up to 350° in two directions.
3. This allows for detailed inspection of side walls or specific points of interest without needing to reposition the entire probe.



Image: A visual representation demonstrating the flexible articulation of the borescope's camera tip, showing various bending angles.

6.4 Inspection and Focus

- Carefully insert the camera probe into the area to be inspected.
- Observe the live feed on the 70mm TFT display.

- The camera has a fixed focus distance of 20-50mm, optimized for clear images within this range. Position the camera head accordingly for the best view.



Image: A user wearing blue gloves operates the Sealey VS8233A borescope, guiding the articulated probe into an engine block for internal inspection.

7. RECORDING AND DATA TRANSFER

7.1 Recording Video and Still Images

- While viewing live footage, press the **Record** button (often marked with a camera or video icon) to start/stop video recording or to capture a still image.
- The 8GB micro SD card (supplied) can store up to 9 hours of video or 20,000 still images.

7.2 Downloading to a PC

1. Ensure the borescope is powered off.
2. Connect the main display unit to a computer using the supplied USB data cable.
3. The device should appear as a removable storage device on your computer.
4. Navigate to the device's storage to access and transfer your recorded videos and images.
5. Alternatively, you can remove the micro SD card and insert it into a compatible card reader connected to your PC.

8. MAINTENANCE

8.1 Cleaning

- **Main Unit:** Wipe the display unit with a soft, dry, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Camera Probe:** The waterproof camera probe can be wiped clean with a damp cloth. Ensure no debris obstructs the camera lens or LED lights.

8.2 Storage

- Store the borescope in its protective carrying case when not in use.
- Store in a cool, dry place, away from direct sunlight and extreme temperatures.
- Remove batteries if storing for an extended period to prevent leakage.

9. TROUBLESHOOTING

- **No Power:** Check battery installation and ensure batteries are fresh.
- **No Image on Display:** Ensure the camera probe is securely connected to the main unit. Check for damage to the probe cable.
- **Poor Image Quality:** Adjust LED brightness. Ensure the camera lens is clean. Verify the object is within the 20-50mm focus range.
- **Cannot Record/Save:** Ensure the micro SD card is properly inserted and not full. Check if the card is locked (if applicable).
- **Probe Articulation Not Working:** Check for obstructions or damage to the articulation mechanism. Do not force the dial.

10. SPECIFICATIONS

Feature	Specification
Model Number	VS8233A
Display	70mm TFT Colour Display
Camera Diameter	Ø6mm
Probe Length	800mm
Probe Articulation	2-way, up to 350°
Camera Type	CMOS with 6 LED Lights
Waterproof Rating (Probe)	IP67
Focus Distance	20-50mm
Storage	8GB Micro SD Card (supplied)
Recording Capacity	Up to 9 hours video / 20,000 still images
Power Source	4 x AA Batteries (not included)
Item Weight	1.22 kg
Product Dimensions	1 x 1 x 1 cm (device only, not including probe)

11. WARRANTY AND SUPPORT

This Sealey product is covered by a **1-Year Guarantee**. Please refer to the official Sealey website or your purchase documentation for full terms and conditions.

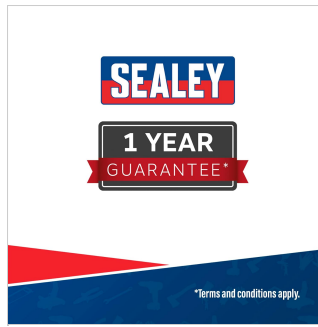


Image: Official Sealey logo with a '1 Year Guarantee' badge, indicating product warranty.

For technical support, spare parts, or warranty claims, please contact your authorized Sealey dealer or visit the official Sealey website for contact information.