



AX-B180

1. Safety instructions

Failure to follow the instructions listed below may result in electric shock or personal injury.

- Please read this manual carefully and thoroughly before using this product.
- Do not remove any labels from the product.
- Keep the work area clean and well lighted, cluttered and dark areas may cause accidents
- Do not operate the product with the presence of flammable/explosive gases.
- Do not use the product around corrosive chemicals, which may damage the lens and affect image quality.
- Keep away from bystanders and children while operating.
- Stay alert, watch what you are doing and use common sense. Careless operation may result in personal injury and damages to the lens.
- Keep proper footing and body balance all the time.
- Always wear protective glasses. Use dust mask, non-skid safety shoes, safety helmet and hearing protection under appropriate circumstances.
- Do not place this product on trolleys or other slippery slopes. The product may fall off and cause serious injury to a person or damage the product.
- For safety purpose, please always keep the video inspection away from any liquid. Liquid increases the risk of electric shock and damage to the product.
- Do not use this device for human body inspection or medical use.
- This product is not shock-resistant. Do not drop it or use it as a hammer.
- Remove the batteries before long term storage to prevent battery leak from damaging the instrument.
- Please dispose the batteries properly. High temperature will cause explosions and do not burn the batteries. Strap insulated tape around the battery charges to avoid unsafe contacts with other objects. Please follow the local regulations of battery disposing.



2. Product overview



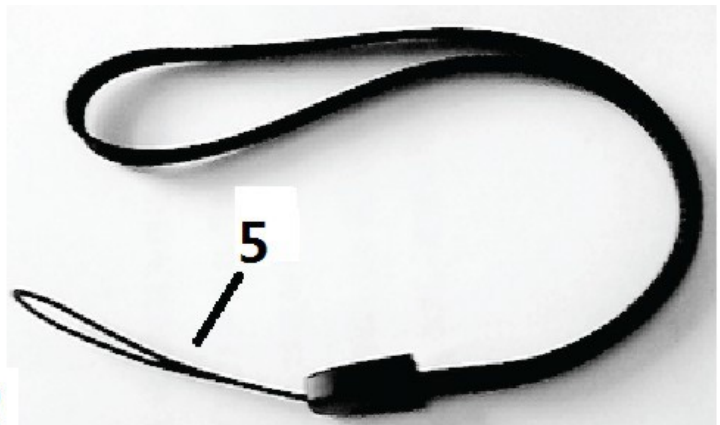
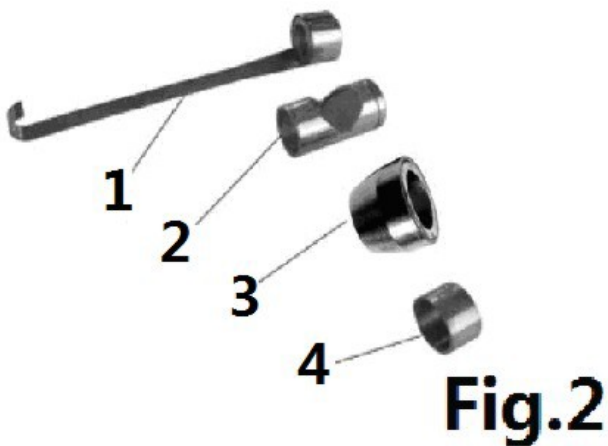
Fig.1

- 1. LCD screen
- 2. "+" LED brightness increase key
- 3. "C" Button image rotation key
- 4. "ON/OFF" key
- 5. "P" Image zoom key
- 6. "-" LED brightness decrease key
- 7. Sling hole
- 8. Camera protection
- 9. Camera head



- 10. Probe
- 11. Camera head slot
- 12. back cover buckle
- 13. Battery lid

3. Accessories



- 1. Hook
- 2. Mirror
- 3. Magnet
- 4. Thread protector
- 5. Safety sling
- 6. Safety sling

4. Operation Instructions

4.1. Battery Installation

Unscrew the two screws at the end of the grip and remove the battery lid M. Install 4pcs of AAA alkaline batteries or rechargeable batteries following the correct direction signs indicated on the holder. Put back the battery lid and fasten the screw.

4.2. Open camera probe

Open the camera probe before use . Pinch buckle “L” as the white arrow in Figure 3. At the same time, pull out the back cover to the black arrow direction. In this way, the built-in camera probe can be seen. Pull out the probe along the inside casing and place the bottom of probe at a proper location along the camera head slot “K”. Close the back cover from opposite direction to use the unit.



Fig.3



4.3. Accessories installation

Accessories and camera head are connected using threaded screw. It is recommended to put on the thread protector when no attachment is installed. When use the three accessories shown in Fig.2, remove the thread protector before put on other accessories.

4.4. Basic Operations

- Facing the LCD screen, press and hold "⏻" for 2s to turn on the product, and LCD screen will be powered on (press this button again for 2s to turn off the unit);
- Press "+" to increase LED brightness;
- Press "-" to decrease LED brightness;
- Press "⌂" to rotate the image each time by 180.
- Press "⌕" to zoom the picture from x1.0 to x1.5, x2.0 , x2.5, x3.0, x3.5 , x4.0

4.5. Operation Precautions

Please read the safety instructions thoroughly before operation, choose a proper working area to reduce the risk of accidents. The probe is flexible, which helps you to get to hard-to-reach areas. Please don't insert or bend the camera probe by force. Please do not over bend the probe (normally, the bending radius should more than 5cm), so as not to cause permanent damage to the probe. Don't use the probe or camera head to remove barricades, clear pathways or clogged areas. It must not be used as a fishing rod or tape. The hand-held LCD display is not waterproof. The camera head and its cover are waterproof, but not acid-proof or fireproof. Touch with these materials will damage the camera head's protective plastic. Do not immerge the camera head into corrosive, oily places or contact high-temperature objects. Don't place the inspection into anything or anywhere that may contain a live electrical charge. Please check following methods to avoid injury.

- For walls: For inspecting inside the walls, make sure the electricity of the whole house is shut down before using the tool.
- For pipes: If you suspect a metal pipe could contain an electrical charge, have a qualified electrician to check the pipe before using. Ground circuit, in some cases, can be returned to the cast metal pipes and cause them to be charged.
- For automobiles: Make sure the automobile is not running during inspection. Metal and liquid under the hood may be hot. Don't get oil or gas on the camera head.





5. Operation notes

- Please don't operate this product unless the manual has been read and proper training has been completed.
- "⚡" will appear, when the battery is low.
- Don't immerse the unit into water, which will result in electric shock and damage.
- Only while the product is assembled well, the camera head is water-proof, but the handheld display isn't fully water-proof.
- Don't use the product if condensation forms inside the camera head.
- If the tool couldn't work well after turning it on. Please take the battery out. It is dangerous, wait until it is repaired.
- Store idle product out of reach of children and other untrained persons. The tool is dangerous in the hands of untrained users.
- Maintain the inspection tool with care. If the tool is dropped, check for the breakage, which may affect the tool's operation. If it is damaged, have the tools serviced before using. Many accidents are caused by poorly maintained tool.
- Dry your hands before turning the tool ON or OFF.
- Protect against excessive heat. The product should be put away from heat sources, such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat. Don't use the tool near moving machinery or areas where the temperature is exceeded 45°C.
- Put on the camera protector and store the probe in the unit after operation.
- Store the product in ventilated and dry places.

6. Specification

Name: Palm Scope

Model: AX-B180

Recommended use: Indoor

Viewable angle: 60°

Focal length: 50mm

Visible distance: 2.5cm-30cm

Diameter of camera head: Φ 9mm

Probe length: About 60cm

Image display: 2.7" TFT/LCD

LCD resolution: 320×240 pixels





Image rotation: 180°

Image zoom: 1.0~4.0x

Protection level: Probe and camera head IP67

Light source: 4 Ultra high brightness LED

Accessory: Mirror, Hook, Magnet, Thread protector and safety sling

Power supply: 4pcs of AAA alkaline or rechargeable batteries (LR03 or KR03) , not included;

Battery continuous working time: >3 hours

Working temperature: 0°C~45°C

Working humidity: 5%~95%RH non-condensing

Storage Condition: -20°C~+60°C, ≤85%(w/o batteries)

Main body dimension: 136mm(180mm)×73mm×38mm

Main body weight:: About 255g(w/o batteries)

