

Axiomet AXB350

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 tool.
- Keep the work area clean and well lit, cluttered and dark areas may cause accidents.
- Do not operate the tool with the presence of flammable/explosive gases.
- Do not use the product around corrosive chemicals, which can ruin the picture quality.
- Keep bystanders, children and visitors away while operating the tool.
- Stay alert, watch what you are doing and use common sense. A moment of inattention will result in serious personal injury.
- Keep proper footing and body balance all the time.
- Always wear protective eyewear. Dust mask, non-skid safety shoes, hard hat or hearing protection must be used for appropriate conditions.
- 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 please always keep the video inspection away from any kind of liquid. Liquid increases the risk of electrical shock and damage to the product.
- Do not use this device for personal or medical use.
- The unit is not shock-resistant. Do not use it as a hammer or drop it.
- 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.



Transfer Multisort Elektronik Sp. z o.o.

ul. Ustronna 41, 93-350 Łódź, Poland, correspondence address: 90-951 Łódź 40, PO BOX 2071
tel. +48 42 645 54 44, fax +48 42 645 54 70, export@tme.eu, www.tme.eu

VAT ID: PL7290108984, REGON (NACE): 473171710, District Court for Łódź-Śródmieście, NCR: 0000165815, initial capital: 3 300 000 PLN

2. Components

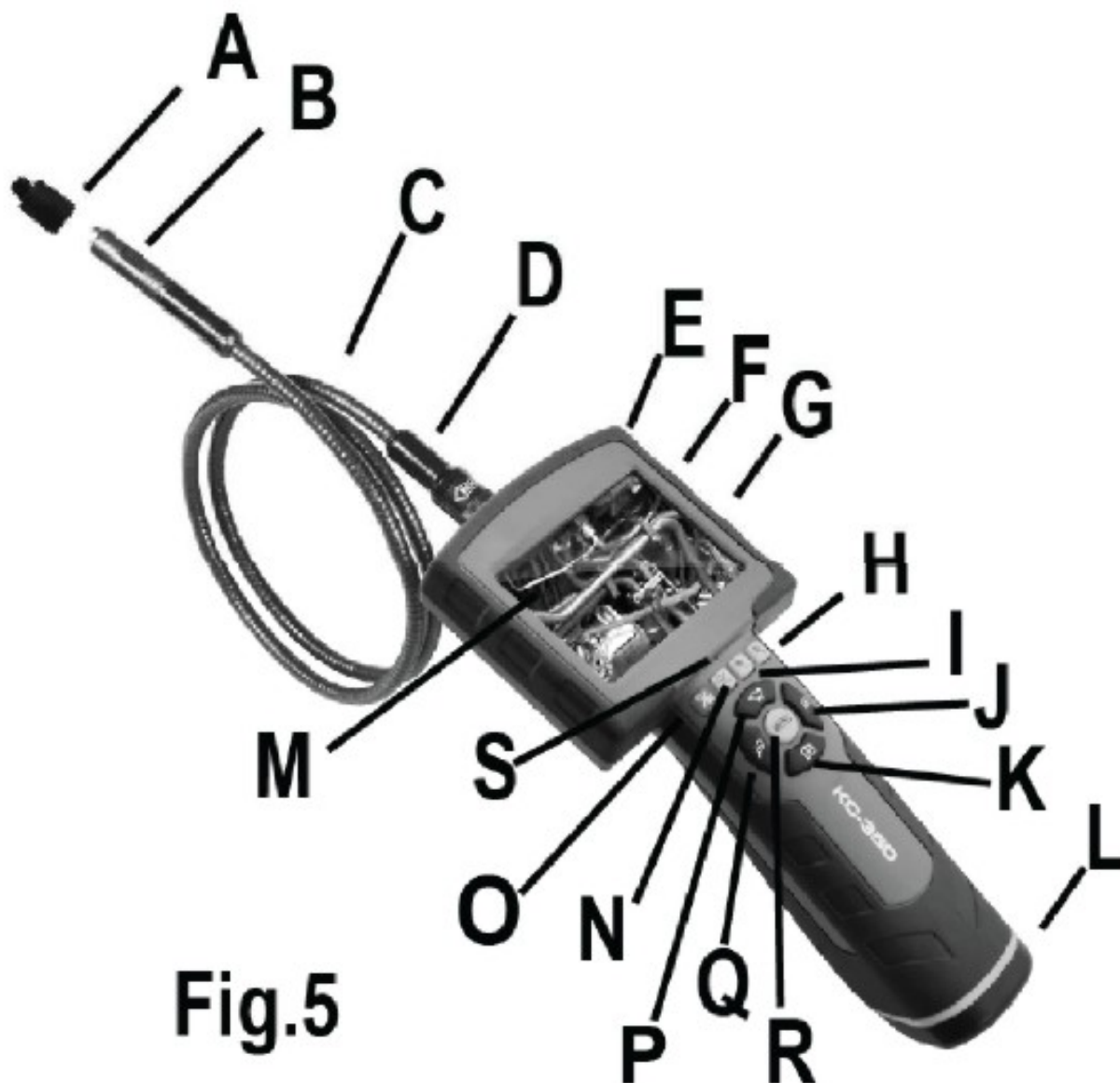


Fig.5

- A - Lens protector
- B - Lens
- C - Swan neck probe
- D - Probe connector
- E - TV output socket
- F - Micro SD socket
- G - USB socket



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H - increase brightness of LED lights
I - decrease brightness of LED lights
J - right key/zoom in
K - downward key/camera key
L - battery lid
M - LCD screen
N - rotation / return
O - power / playback
P - upward key/video recording key
Q - left key/zoom out
R - menu key
S - build-in microphone

3. Operation Instructions

3.1. Battery Installation

- Unscrew the screw at the end of the grip and remove the battery lid.
- Extract the battery holder from the grip, and install AA alkaline batteries or rechargeable batteries following the correct direction signs indicated on the holder.
- Put back the battery holder following the indicated direction.
- Put back the battery lid and fasten the screw.

3.2. Connect the Unit with a Camera Probe

Connect the inspection unit with a camera probe before operation. To connect the probe to the unit, make sure the keyed ends are properly aligned. Tighten the knob when they are aligned and connected.

3.3. Accessories installation

- Accessories installation of optional

9mm and 5,5mm probe

Accessories and camera head are connected using threaded screw. It is recommended to put on the thread protector when no attachment is installed. Remove the thread protector before put on other accessories.

3.4. Basic Operations

3.4.1. Operations in Preview Mode

- Default memory is the internal memory when powered on, users can also use Micro SD card as external memory. When a Micro SD card detected, the inspection will store files in the external memory.
- Press (O) to enter preview mode in which users can preview images.
- Press (H) to increase the brightness of LED lights.
- Press (I) to decrease the brightness of LED lights.
- Press (K) to take pictures manually, files will be stored in internal memory or Micro SD card automatically. (Note: when Auto Capture is OFF, press (K) to take a picture; when Auto Capture is ON, unit will detect image changes and pictures will be taken and saved automatically if any changes detected)



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- Press (P) to record video clips, a read indicator will be displayed on screen, and clips will be saved in internal memory or SD card.
- Press (N) to rotate the image by 180 degrees.
- Press (J) to zoom in from x1 to x4.0, and the corresponding magnification will be displayed on screen.
- Press (Q) to zoom out, the corresponding magnification will be displayed on screen; no magnification will be displayed when the magnification is x1.
- Press MENU (R) to configure menu options.
- Press (O) to enter playback mode (message will show up if no files found).
- Press (O) and hold for 3 seconds to turn off.

Tips

- a. when the probe is not installed and no signal is received, unit will shut off itself in 3 minutes.
- b. A folder named "YCKC" will be created in the internal memory or TF card in which the product will create a subfolder named as the current date. Videos and photos captured for the day will be saved in this folder.

Warning: DO NOT remove the SD card while system is working (especially while recording and transferring files with computers), doing so may result in damage to stored files and SD card.

3.4.2. Menu Configuration

- Press MENU (R) key in preview mode to enter menu configurations.
- Select to be changed options using the 4 direction keys.
- Press MENU (R) to confirm the changed option.
- Press (N) to return to parent menu, and all the way back to preview mode.

3.4.3. File Operations in Playback Mode

- Press (N) to browse files in grid view, press again to browse folders.
- Press MENU (R) to view files or folders.
- Press (Q) or (J) to view last or next image.
- If the current selected file is video clip, press (P) to play video, press again to pause, and press (K) to stop playback.
- Press MENU (R) to activate file operations, press the direction keys to perform delete single file, delete all files and format memory etc.
- Press (N) to return to parent menu, and all the way back to playback mode.
- Press (O) to go back to preview mode.

Tips: while playback video clips, press (P) to play and pause the clip, press (K) to stop playback. Users can perform other operations after playback has been stopped.

3.4.4. Application

This product is designed for hard-to reach distance inspection. Typical applications include HVAC inspection, automobile inspection, circuitry, vessel and aircraft inspection. While in operation, the product is easy to extend ahead. If there is a distance limitation, the accessories could be applied to pick up rings or screws on the floor.

3.5. Operation Precautions

- Please read the safety instructions thoroughly before operation, choose a proper working area to reduce the risk of accidents.



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- 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 aluminum 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.

4. Operation notes

4.1. Cautions

- Don't drop the product or use by force.
- Don't disassemble the product to avoid failure.
- Don't place the product with corrosive gas or objects.
- Don't expose the product in vibration, high or low temperature.
- Store the product in a safe area.
- Don't immerse the product into water, which will result in damage to product.
- Check the batteries regularly to prevent battery leak.
- Please take out the battery, if it is not for use for long time.

5. Technical specifications

Name	Multifunction video inspection camera
Model	AX-B350
Recommended use	Indoor
Image sensor	CMOS image sensor
Viewable angle	60°
Diameter of camera head	



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	Standard camera head: 12mm / Optional camera head: 9mm; 5,5mm
Focal length	12mm - 50mm and 50cm / 9mm - 50mm / 5,5mm - 10mm
Probe length	12mm - 1m,2m,3m (max 5m) / 9mm - 1m,2m,3m (max 5m) / 5,5mm - 1m,2m,3m (max 15m)
Extention for choice	1m, 2m, 3m
Image display	3,5" TFT/LCD
Image resolution	640x480
LCD resolution	320x240
Image rotation	180°
Image zooming	4 times
TV output format	NTSC / PAL
Protection level	Probe and camera - IP67 / Main body - IP54
Light source	Ultra brightness LED
USB output mode	Portable storage mode (USB Disk) / Real time image output mode (USB Camera)
Image storing medium	64MB internal memory / Micro SD (support up to 16GB), optional
Accessory	TV cable, USB cable, driver CD
Power supply	4 AA alkaline or rechargeable batteries
Battery contionuous working time	>2 hours
Working temperature	0°C-45°C
Working humidity	RH 5%-95% non-condensing
Storage temperature	-20°C + 60°C, ≤85% (w/o batteries)
Dimension	270mm x 75mm x 100mm (w/o probe)
Weight	About 405g (w/o batteries and probe)



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