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> Yanzeo /

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Model: AR180C

1. INTRODUCTION

The Yanzeo AR180C is a portable pet microchip reader designed for quick and accurate identification of animals. It supports ISO11784/11785 FDX-B and EMID microchips, commonly used for pets like dogs and cats, as well as other animals in various applications. This device assists in reuniting lost pets with their owners and is suitable for use in veterinary clinics, animal shelters, and by pet owners.

Important Note: This scanner supports only 15-digit FDX-B/EMID microchips and does not read 9-digit AVID chips.



Figure 1: Yanzeo AR180C Pet Microchip Reader overview.

2. PRODUCT FEATURES

- **Wide Compatibility:** Supports ISO11784/11785 FDX-B and EMID microchips.
- **Fast and Accurate Scanning:** Equipped with a high-sensitivity scanning chip for quick and precise readings.
- **User-Friendly Operation:** Simple one-button operation for scanning.
- **Rechargeable Battery:** Built-in 800mAh lithium battery provides up to 6 hours of continuous use and is conveniently rechargeable via USB.
- **Clear Display:** High-contrast backlit OLED screen ensures easy readability in various lighting conditions.
- **Data Storage:** Internal storage for up to 128 sets of data, transferable to a computer via USB for record-keeping and analysis.
- **Portable Design:** Lightweight, ergonomic, and durable design for comfortable handling and easy transport.



Figure 2: Dual-band card reading capability (134.2KHz and 125KHz).

3. SETUP

3.1. Charging the Device

1. Locate the USB charging port on the device.
2. Connect the provided USB cable to the device and to a compatible USB power source (e.g., computer USB port, USB wall adapter).
3. The device's screen will indicate charging status. Ensure the device is fully charged before first use for optimal battery life.
4. A full charge provides approximately 6 hours of continuous operation.



Figure 3: Device connected via USB for charging and data transfer.

4. OPERATING INSTRUCTIONS

4.1. Powering On/Off

- To power on the device, press and hold the main button until the screen illuminates.
- To power off, press and hold the main button again until the screen turns off. The device also features an automatic sleep function to conserve battery.

4.2. Scanning Microchips

1. Ensure the device is powered on.
2. Position the scanning area of the reader (the circular part) close to the animal's microchip implantation site. Common sites include between the shoulder blades.
3. Press the scan button. The device will emit a signal and attempt to read the microchip.
4. If a microchip is detected, its 15-digit FDX-B/EMID identification number will be displayed on the OLED screen.
5. If no chip is detected, reposition the scanner and try again. Move the scanner slowly over the area to ensure thorough coverage.

Communication

Support FDX-B(ISO 11784/11785), EMID Microchip



Figure 4: Scanning a pet for microchip identification.

4.3. Data Storage and Transfer

- The device can store up to 128 microchip identification numbers internally.
- To transfer stored data to a computer, connect the device to your computer using the provided USB cable.
- The device will appear as a removable storage device or a specific application may be required (refer to manufacturer's website for software if needed).
- Follow the on-screen instructions or software prompts to download the stored data for record-keeping or analysis.



Figure 5: Data transfer via USB to a computer.

5. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Recharge regularly, especially if the device will not be used for an extended period.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device using the provided USB cable.
Cannot read microchip.	Microchip not FDX-B/EMID (15-digit). Incorrect scanning position. Microchip too deep or damaged.	Verify microchip compatibility (only 15-digit FDX-B/EMID). Slowly move the scanner over the animal's shoulder blade area. Consult a veterinarian if you suspect chip issues.
Data transfer fails.	Loose USB connection. Computer driver issue.	Ensure USB cable is securely connected to both device and computer. Try a different USB port or computer. Check manufacturer's website for any required drivers or software.

7. SPECIFICATIONS

Feature	Detail
Model Number	AR180C
Brand	Yanzeo
Compatibility	ISO 11784/11785 FDX-B, EMID (15-digit microchips)
Frequency	134.2 KHz, 125 KHz (Dual-band support)
Battery Type	1 x Lithium Polymer (800mAh, included)
Battery Life	Up to 6 hours continuous work
Display	High-contrast backlit OLED
Data Storage	Up to 128 records
Connectivity	USB for charging and data transfer
Dimensions	13.5 x 6 cm (5.31 x 2.36 inches)
Weight	120 g
Color	White

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Yanzeo website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Yanzeo Official Store: Visit Yanzeo Store on Amazon

