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› PerGar P40 8mm Endoscope User Manual

PerGar P40

PerGar P40 8mm Endoscope User Manual

Model: P40

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your PerGar P40 8mm Endoscope. Please read this manual thoroughly before operating the device and retain it for future reference. The PerGar P40 is a handheld industrial endoscope designed for inspecting hard-to-reach areas, featuring a 4.3-inch color display, 1080P resolution, and IP67 waterproof rating.

PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- PerGar P40 Endoscope Unit with 4.3-inch Display
- Camera Cable (5m / 16.4ft) with 8mm Diameter Camera
- USB Charging Cable
- User Manual (this document)
- Hook Attachment
- Magnet Attachment
- Side-View Mirror Attachment
- 2 x Replacement Accessory (e.g., rubber rings or similar small parts)



Image: The PerGar P40 Endoscope unit, showing the display, coiled camera cable, USB charging cable, and the included hook, magnet, and side-view mirror attachments.

SETUP

1. Charging the Device

Before first use, fully charge the endoscope. Connect the provided USB charging cable to the charging port on the endoscope unit and to a standard USB power adapter (not included). The built-in 2600mAh lithium battery provides approximately 5-7 hours of working time on a full charge.

2. Attaching the Camera Cable

Carefully connect the camera cable connector to the designated port on the main display unit. Ensure a secure connection to maintain proper functionality and water resistance.

3. Attaching Accessories (Optional)

For specific inspection needs, you can attach the hook, magnet, or side-view mirror to the tip of the camera. Gently slide the desired accessory onto the camera head until it is firmly in place.



Image: The PerGar P40 Endoscope display unit and a demonstration of how the hook, magnet, and side-view mirror attachments are fitted onto the camera head for various tasks.

OPERATING INSTRUCTIONS

1. Power On/Off

Press and hold the power button (usually marked with a power symbol) on the display unit to turn the device on or off. The 4.3-inch color LCD screen will illuminate.

2. Adjusting LED Brightness

The camera features 8 high-brightness adjustable LED lights. Use the designated brightness control buttons on the display unit to cycle through 3 levels of brightness. Adjust the illumination to achieve optimal visibility in dark environments.



Image: The PerGar P40 Endoscope in operation, demonstrating its ability to illuminate and display images from dark, confined spaces. Key features like IP67 waterproofing and adjustable LED lights are highlighted.

3. Performing Inspection

Gently insert the 8mm diameter camera cable into the area you wish to inspect. The 1920 x 1080P resolution provides clear images on the 4.3-inch display. The focal distance (FD) is approximately 4cm to 500cm (1.6 to 196.9 inches), allowing for clear viewing of objects within this range. The horizontal viewing angle is 70 degrees.

The camera cable is IP67 waterproof, making it suitable for use in damp or wet conditions, such as inspecting pipes or drains. Avoid prolonged submersion beyond the IP67 rating.



Image: A visual representation of the PerGar P40 Endoscope's versatility, showing its application in household inspections, automotive maintenance, and HVAC system checks.

MAINTENANCE

1. Cleaning

- **Camera Lens:** Gently wipe the camera lens with a soft, dry, lint-free cloth. For stubborn dirt, a slightly damp cloth can be used, followed by drying.
- **Display Screen:** Clean the 4.3-inch display screen with a soft, dry microfiber cloth. Avoid abrasive cleaners.
- **Main Unit and Cable:** Wipe the main unit and cable with a damp cloth as needed. Ensure the charging port cover is securely closed if cleaning near it.

2. Battery Care

To prolong the life of the built-in 2600mAh lithium battery, avoid fully discharging it frequently. Recharge the device when the battery indicator is low. If storing for extended periods, charge the battery to approximately 50% every few months.

3. Storage

Store the endoscope in a cool, dry place, away from direct sunlight and extreme temperatures. Keep the camera cable neatly coiled to prevent kinks or damage. Ensure all accessories are stored safely to prevent loss.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low or depleted battery.	Charge the device using the provided USB cable.
No image on screen.	Camera cable not properly connected.	Ensure the camera cable is securely plugged into the main unit.
Image is blurry or unclear.	Camera lens is dirty; object is outside focal range.	Clean the camera lens. Adjust the distance between the camera and the object (optimal FD: 4cm-500cm).
LED lights are not working.	Brightness setting is too low; malfunction.	Increase LED brightness using the control buttons. If still not working, contact support.
Battery life is shorter than expected.	Frequent use of high brightness; aging battery.	Reduce LED brightness when possible. Ensure full charge before use. Battery performance may degrade over time.

SPECIFICATIONS

Feature	Detail
Model	P40
Display	4.3-inch Color LCD
Camera Resolution	1920 x 1080P
Horizontal Viewing Angle	70 Degrees
Cable Length	Approx. 5m / 16.4ft
Focal Distance (FD)	Approx. 4 ~ 500cm / 1.6 ~ 196.9in
Waterproof Rating	IP67 (Camera Cable)
Camera Diameter	Approx. 8mm
Battery Capacity	2600 mAh Rechargeable Lithium Battery
Working Time	5-7 hours (approx.)
LED Lights	8pcs High-brightness, 3 levels adjustable

Camera Resolution: 1920 x 1080P
Horizontal Viewing Angle: 70 Degrees
Cable Length: Approx. 5m / 16.4ft
FD: Approx. 4 ~ 500cm / 1.6 ~ 196.9in
Waterproof: IP67
Camera Diameter: Approx. 8mm



Image: The PerGar P40 Endoscope unit and its coiled cable, illustrating the physical form factor alongside a summary of its technical specifications.

WARRANTY AND SUPPORT

Information regarding product warranty and customer support was not available in the provided product data. Please refer to the product packaging or the seller's website for details on warranty coverage and how to contact customer support for assistance.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question