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Levenhuk Nelson 7x35

Levenhuk Nelson 7x35 Marine Monocular User Manual

Model: Nelson 7x35

INTRODUCTION

The Levenhuk Nelson 7x35 Marine Monocular is a versatile optical instrument designed for marine environments, fishing, and water-based activities. It features a compact design, a built-in compass, and a rangefinder for navigation and distance measurement. The monocular is constructed with high-quality BaK-4 glass optics, fully multi-coated lenses, and a nitrogen-filled waterproof casing to ensure clear, bright images and durability in challenging conditions.

This manual provides detailed instructions for the proper use, setup, maintenance, and troubleshooting of your Levenhuk Nelson 7x35 Marine Monocular. Please read it thoroughly before using the device.

SAFETY INSTRUCTIONS

- **Never look directly at the sun** through the monocular, as this can cause severe and permanent eye damage.
- Keep the monocular away from direct sunlight when not in use to prevent fire hazards.
- Do not attempt to disassemble or repair the monocular yourself. Refer all servicing to qualified personnel.
- Keep the device out of reach of children to prevent misuse or accidental damage.
- Avoid dropping or subjecting the monocular to strong impacts, which can damage the internal optical components.
- Store the monocular in a dry, cool place, away from corrosive chemicals.

PACKAGE CONTENTS

Your Levenhuk Nelson 7x35 Marine Monocular package includes the following items:

- Levenhuk Nelson 7x35 Marine Monocular
- Eyepiece cap

- Objective lens cap
- Cleaning wipe
- Strap
- Pouch
- User guide



Image: Levenhuk Nelson 7x35 Marine Monocular shown with its floating strap, indicating the product and an accessory.

PRODUCT OVERVIEW

The Levenhuk Nelson 7x35 is a robust monocular designed for marine use. Key features include:

- **Magnification:** 7x for clear, stable viewing.
- **Objective Lens Diameter:** 35mm for good light gathering.
- **Optics:** BaK-4 glass with fully multi-coated lenses for bright, high-contrast images.
- **Waterproof:** IPX7 rated, submersible up to 1 meter for 30 minutes.
- **Fogproof:** Nitrogen-filled to prevent internal fogging.
- **Integrated Features:** Built-in compass and rangefinder reticle for navigation and distance estimation.
- **Eyecup:** Twist-up eyecup for comfortable viewing with or without eyeglasses.



Image: Top view of the monocular, highlighting the Levenhuk branding and the focus adjustment wheel.



Image: Front view of the monocular, displaying the objective lens and its protective ring.

SETUP

1. **Unpacking:** Carefully remove the monocular and all accessories from the packaging.
2. **Attach the Strap:** Securely attach the provided strap to the monocular's strap lugs. This helps prevent accidental drops.
3. **Remove Lens Caps:** Remove the objective lens cap and the eyepiece cap before use. Store them in a safe place to protect the lenses when not in use.



Image: The monocular placed inside its protective pouch, ready for storage or transport.

OPERATING INSTRUCTIONS

1. Focusing

1. Hold the monocular to your eye.
2. Rotate the central focusing wheel until the image is sharp and clear.



Image: Close-up of the monocular's eyepiece, showing the diopter adjustment ring and the twist-up eyecup.

2. Eyepiece Diopter Adjustment

If you wear eyeglasses or have different vision in each eye, you may need to adjust the diopter:

1. Look through the monocular at a distant object.
2. Rotate the diopter adjustment ring (usually located on the eyepiece) until the image appears sharp for your individual eye.

3. Using the Built-in Compass

The monocular features a built-in compass for determining direction. The compass reading will be visible within the field of view. Ensure the monocular is held level for an accurate reading.

4. Using the Rangefinder Reticle

The integrated rangefinder reticle allows you to estimate the distance to an object if its size is known, or estimate the size of an object if its distance is known. This requires using a specific formula in conjunction with the reticle's markings. Refer to advanced navigation guides for detailed rangefinding calculations, as the specific formula depends on the reticle's design and the units of measurement.

MAINTENANCE

- **Cleaning Lenses:** Use the included cleaning wipe or a soft, lint-free cloth specifically designed for optical lenses. Gently wipe the lens surfaces to remove dust and smudges. Avoid using abrasive materials or harsh chemicals.
- **Cleaning Body:** Wipe the monocular body with a soft, damp cloth. Do not use solvents or abrasive cleaners.
- **Storage:** When not in use, store the monocular in its pouch in a dry, cool place. Ensure lens caps are in place to protect the optics from dust and scratches.
- **Waterproof Care:** Although the monocular is waterproof (IPX7), it is recommended to wipe it dry after exposure to water, especially saltwater, to prevent corrosion of external parts.

TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|----------------------------------|--|--|
| Image is blurry or out of focus. | Improper focus adjustment. | Rotate the central focusing wheel until the image is sharp. Adjust the eyepiece diopter if necessary. |
| Image is dim or unclear. | Dirty lenses or insufficient light. | Clean the objective and eyepiece lenses with the provided cleaning wipe. Ensure adequate ambient light. |
| Internal fogging of lenses. | Extreme temperature changes or seal compromise. | The monocular is nitrogen-filled to prevent fogging. If fogging occurs, contact customer support. |
| Compass reading is inaccurate. | Monocular not held level or magnetic interference. | Ensure the monocular is held horizontally. Move away from large metal objects or strong magnetic fields. |

SPECIFICATIONS

| Feature | Detail |
|-------------------------|--------------------|
| Magnification | 7x |
| Objective Lens Diameter | 35 mm |
| Optics Material | BaK-4 glass |
| Optics Coating | Fully Multi-coated |
| Field of View | 7.5° (130m/1000m) |

| Feature | Detail |
|-----------------------------|--|
| Exit Pupil Diameter | 5 mm |
| Eye Relief | 23 mm |
| Close Focus | 3 m |
| Eyepiece Diopter Adjustment | ±4 diopters |
| Waterproof Rating | IPX7 (submersible up to 1m for 30 min) |
| Fogproof | Nitrogen-filled |
| Special Features | Built-in compass, Rangefinder reticle |
| Dimensions (L x W x H) | 18 x 8.9 x 7.1 cm |
| Weight | 453.59 g (16 ounces) |
| Operating Temperature | -20°C to +55°C |

WARRANTY AND SUPPORT

The Levenhuk Nelson 7x35 Marine Monocular comes with a **lifetime warranty**, as stated in the product description. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any questions regarding your monocular, please contact Levenhuk customer service. You can find contact information on the official Levenhuk website or through your point of purchase.

Please retain your proof of purchase for warranty purposes.