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Pentax PF-80ED

Pentax PF-80ED 80mm Straight Spotting Scope User Manual

Model: PF-80ED (70930)

INTRODUCTION

Thank you for choosing the Pentax PF-80ED 80mm Straight Spotting Scope. This high-performance optical instrument is designed to provide clear, bright, and distortion-free images for various viewing applications, including nature observation, birdwatching, and target shooting. Featuring an 80mm objective lens with ED (Extra-low Dispersion) glass, lanthanum glass elements, BaK4 prisms, and SMC multi-layer coatings, this scope delivers exceptional optical quality. Please read this manual thoroughly to ensure proper use and maintenance of your spotting scope.

SAFETY INFORMATION

- **Never look directly at the sun through the spotting scope.** This can cause severe and permanent eye damage.
- Keep the objective lens cap on when not in use to protect the lens from dust and scratches.
- Store the scope in its field case in a cool, dry place away from direct sunlight and extreme temperatures.
- Keep out of reach of children.

WHAT'S IN THE BOX

Upon unpacking, please verify that all the following items are included:

- Pentax PF-80ED 80mm Spotting Scope
- Objective Lens Cap
- Eyepiece Cap
- Carrying Case
- Limited 1-Year Warranty Information



Image: The Pentax PF-80ED 80mm Straight Spotting Scope, showing its main body, objective lens, and eyepiece. The scope is black with 'PENTAX PF-80ED' visible on the side.

SETUP

1. Attaching the Eyepiece

1. Remove the eyepiece cap from the spotting scope body and the cap from your chosen eyepiece (sold separately).
2. Carefully insert the eyepiece into the eyepiece holder on the scope body.
3. Secure the eyepiece by tightening the retaining screw (if present) gently until the eyepiece is firm. Do not overtighten.

2. Mounting on a Tripod

1. Locate the tripod mounting foot on the underside of the spotting scope.
2. Attach the scope to a sturdy tripod using the standard 1/4-inch or 3/8-inch tripod screw. Ensure the connection is secure to prevent accidental drops.
3. Adjust the tripod height and angle for comfortable viewing.

OPERATING

1. Initial Viewing

1. Remove the objective lens cap.
2. Point the spotting scope towards your desired subject.
3. Look through the eyepiece.

2. Focusing

The Pentax PF-80ED features a center focus mechanism for precise adjustments.

1. Locate the focus knob on the side of the scope body.
2. Rotate the focus knob slowly in either direction until the image appears sharp and clear.
3. For fine adjustments, turn the knob incrementally until optimal clarity is achieved.



Image: A closer view of the Pentax PF-80ED Spotting Scope, highlighting the central focus knob located on the side of the main body for easy adjustment.

3. Eyepiece Adjustment (if applicable)

If your eyepiece has a twist-up eyecup, adjust it for comfortable viewing with or without eyeglasses. Twist it up for viewing without glasses and twist it down for viewing with glasses.

MAINTENANCE

Cleaning the Lenses

- Use a soft brush or compressed air to remove dust particles from the lens surfaces.
- For smudges or fingerprints, apply a small amount of lens cleaning fluid to a clean microfiber cloth and gently wipe the lens in a circular motion.
- Avoid using abrasive cloths or harsh chemicals, as these can damage the lens coatings.

Storage

- Always replace the objective lens cap and eyepiece cap when the scope is not in use.
- Store the spotting scope in its provided carrying case to protect it from impacts and environmental elements.
- Store in a dry, well-ventilated area. The scope is designed to be fog-free and waterproof, but proper storage extends its lifespan.

TROUBLESHOOTING

- **Image is blurry or out of focus:** Adjust the center focus knob until the image is sharp. Ensure the eyepiece is correctly seated and secured.
- **Dark or obstructed view:** Check if the objective lens cap or eyepiece cap has been fully removed. Ensure no debris is blocking the objective lens or eyepiece.
- **Unstable image:** Ensure the spotting scope is securely mounted on a stable tripod. Check for any loose connections.
- **Condensation inside the scope:** While the scope is fog-free, extreme temperature changes can sometimes cause temporary condensation. Allow the scope to acclimate to the ambient temperature. Do not attempt to disassemble the scope.

SPECIFICATIONS

Feature	Detail
Brand	Pentax
Model Name	PF-80ED
Model Number	70930
Objective Lens Diameter	80 Millimeters
Optical Tube Length	397 Millimeters
Focal Length Description	80 mm
Eye Piece Lens Description	Plössl (Note: Eyepiece sold separately)
Focus Type	Center Focus
Telescope Mount Description	Altazimuth Mount
Item Weight	1400 Grams
Coating	UV protection
Additional Features	Fog-free, Waterproof, UV-protected lens, Full Size, Zoom (with compatible eyepiece)
Compatible Devices	Camera, Smartphone, Mounts
UPC	027075048744

WARRANTY INFORMATION

The Pentax PF-80ED Spotting Scope comes with a Limited 1-Year Warranty. Please refer to the warranty card included in your product packaging for detailed terms and conditions, including coverage, limitations, and how to make a claim. Keep your proof of purchase for warranty service.

CUSTOMER SUPPORT

For technical assistance, service, or inquiries regarding your Pentax PF-80ED Spotting Scope, please contact Pentax customer support. Refer to the official Pentax website or your product documentation for the most current contact information.

- **Online Support:** Visit the official Pentax website for FAQs, support resources, and contact forms.
- **Telephone Support:** Check your regional Pentax website for local support numbers.