Checkpoint 0610R

Checkpoint U6 V-Groove Level Instruction Manual

Model: 0610R

1. Product Overview

The Checkpoint U6 V-Groove Level is a compact and versatile measuring tool designed for professional use. Its patented V-Groove system allows for precise leveling on various surfaces, including straight, bent, and radiused pipes and conduits. Equipped with powerful rare-earth magnets and an oversized bubble vial, it provides accurate readings for a wide range of angles.

2. Key Features

- **Multi-Angle Readings:** Provides precise readings at 0°, 22.5°, 30°, 45°, 60°, and 90°.
- **Oversized Bubble Vial:** Features a single, super-accurate 45 arc/min. reading bubble vial for clear and easy-to-see measurements.
- **Powerful Magnets:** Incorporates sixteen rare-earth neodymium magnets for strong holding power on any ferrous pipe, tube, or workpiece.
- **V-Groove System:** Exclusive design allows for stable placement on curved and straight surfaces.
- **Durable Construction:** Made from a sturdy 2.5" x 2" billet 6061 aluminum body.
- **Compact Size:** Designed to be highly portable, fitting easily in a pocket or hand.

3. Setup and Operation

The U6 V-Groove Level is designed for immediate use without complex setup. Its intuitive design allows for quick and accurate measurements.

3.1. Initial Inspection

Before first use, inspect the level for any visible damage. Ensure the bubble vial is clear and free from obstructions. The magnets should be securely in place.

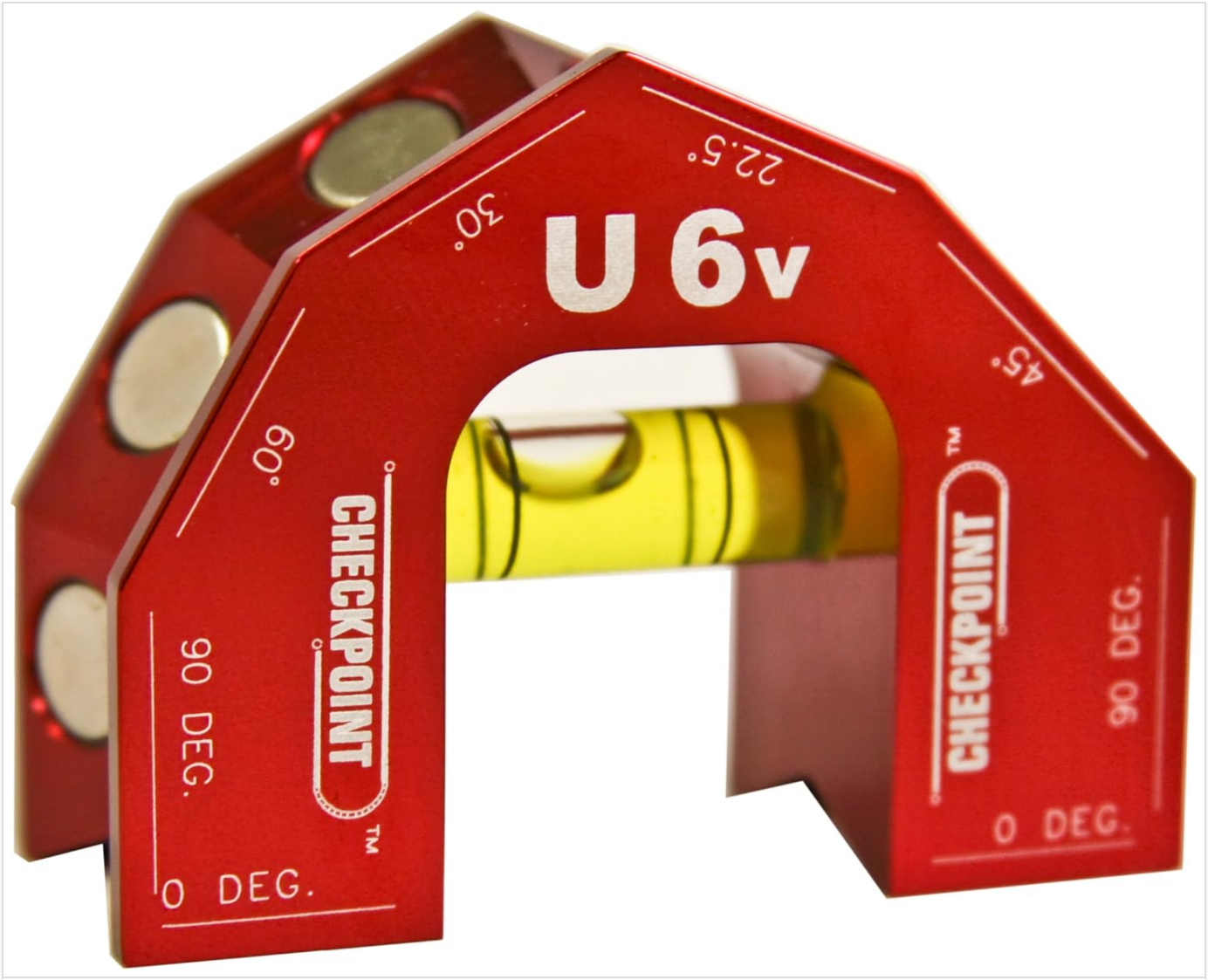

Figure 1: The Checkpoint U6 V-Groove Level, highlighting its compact design, degree markings (0°, 22.5°, 30°, 45°, 60°, 90°), and the central bubble vial. The V-groove base is visible, designed for pipe and conduit placement.

3.2. Using the Level

1. **Placement:** Place the U6 V-Groove Level directly onto the surface you wish to measure. For pipes, conduits, or other rounded objects, utilize the V-groove base to ensure stable contact. For flat surfaces, the flat edges of the level can be used.
2. **Magnetic Attachment:** If working with ferrous materials (e.g., steel pipes), the sixteen rare-earth magnets will securely hold the level in place, allowing for hands-free operation.
3. **Reading the Angle:** Observe the bubble within the oversized vial. The bubble should be centered between the two black lines for a precise reading. The degree markings (0°, 22.5°, 30°, 45°, 60°, 90°) on the level's body indicate the angle relative to the horizontal or vertical plane, depending on how the level is oriented.
4. **Adjusting for Desired Angle:** Rotate or adjust the workpiece until the bubble aligns with the desired angle marking on the level.

3.3. Product Demonstration Video

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Video 1: An official product demonstration of the Checkpoint U6 V-Groove Level, showcasing its features and practical applications in various professional trades. The video illustrates how the level's magnetic base and V-groove design facilitate accurate measurements on different surfaces, including pipes and conduits, and demonstrates its compact size and ease of use.

4. Specifications

Attribute	Detail
Brand	Checkpoint
Model Number	0610R
Material	Alloy Steel (6061 Billet Aluminum Body)
Color	Red
Product Dimensions	2.5"L x 2"W
Item Weight	4.6 ounces
Operation Mode	Manual
Special Features	Magnetic, V-Groove System
Degree Readings	0°, 22.5°, 30°, 45°, 60°, 90°
Vial Accuracy	45 arc/min.

5. Maintenance

To ensure the longevity and accuracy of your Checkpoint U6 V-Groove Level, follow these simple maintenance guidelines:

- **Cleaning:** Wipe the level clean with a soft, dry cloth after each use. For stubborn dirt or grime, a slightly damp cloth can be used, followed by immediate drying. Avoid abrasive cleaners or solvents that could damage the finish or vial.
- **Storage:** Store the level in a clean, dry place, away from extreme temperatures and direct sunlight. Protect the bubble vial from impacts.
- **Magnet Care:** Keep the magnets free from metal shavings or debris, which can affect their holding power.

6. Troubleshooting

If you encounter issues with your Checkpoint U6 V-Groove Level, consider the following:

- **Inaccurate Readings:**
  - Ensure the surface you are measuring is clean and free of debris that might prevent the level from sitting flush.
  - Verify that the level itself is clean, especially around the vial.
  - Check for any signs of physical damage to the level or the vial. Significant impacts can affect calibration.
- **Weak Magnetic Hold:**
  - Ensure the surface is ferrous (magnetic).
  - Clean the magnetic surfaces on the level and the workpiece to ensure good contact.

For persistent issues, please refer to the warranty and support information.

7. Warranty and Support

The Checkpoint U6 V-Groove Level comes with a comprehensive warranty:

- **1-Year Warranty:** Covers all parts.
- **Lifetime Warranty:** Applies to the body of the level.

For warranty claims, technical support, or further assistance, please contact Checkpoint customer service through their official channels. Refer to the product packaging or the Checkpoint website for the most current contact information.

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

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

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