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› Kapro 995-41X Vulcan Professional Box Level - 48 Inch Instruction Manual

KAPRO 995-41X-48M

Kapro 995-41X Vulcan Professional Box Level - 48 Inch Instruction Manual

Model: 995-41X-48M | Brand: KAPRO

1. INTRODUCTION

The Kapro 995-41X Vulcan Professional Box Level is a high-quality, durable measuring tool engineered for precision in various professional applications, including construction, framing, carpentry, and plumbing. This manual provides essential information for the proper setup, operation, maintenance, and care of your new level, ensuring optimal performance and longevity.



Image 1: The Kapro 995-41X Vulcan Professional Box Level.

2. PRODUCT OVERVIEW AND FEATURES

The Kapro 995-41X Vulcan Box Level incorporates several innovative features designed to enhance accuracy, durability, and ease of use:

- **Reinforced Aluminum Profile:** Constructed from a heavy-duty, reinforced aluminum profile, the level is built to withstand demanding job site conditions.
- **Magnified Shockproof Vials:** Features three solid, optical-grade acrylic vials that are 33% more visible than standard vials. These vials are epoxy-locked into the frame and are shockproof, providing clear and accurate readings.
- **Plumb Site Dual-View Vial:** Kapro's patented Plumb Site allows for direct viewing of the vertical vial without the need to twist or bend, improving ergonomics and ease of use.
- **Magnetic Base:** The magnetic version includes rare-earth magnets embedded in the base, enabling hands-free operation on metallic surfaces.
- **V-Groove Base:** A finely milled V-groove along the base facilitates stable placement and accurate leveling on

pipes and curved surfaces.

- **Wall-Grip Feature:** Allows the level to be held against a vertical surface with one hand, simplifying marking tasks without damaging the surface.
- **Ergonomic Handles:** Two large, ergonomic bi-material handles provide a comfortable and secure grip, even for larger hands.
- **Reversible Design:** The level is fully reversible, allowing for quick transitions between floor and ceiling leveling.

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Video 1: Official product video demonstrating features of the Kapro 995-41X Vulcan Box Level.

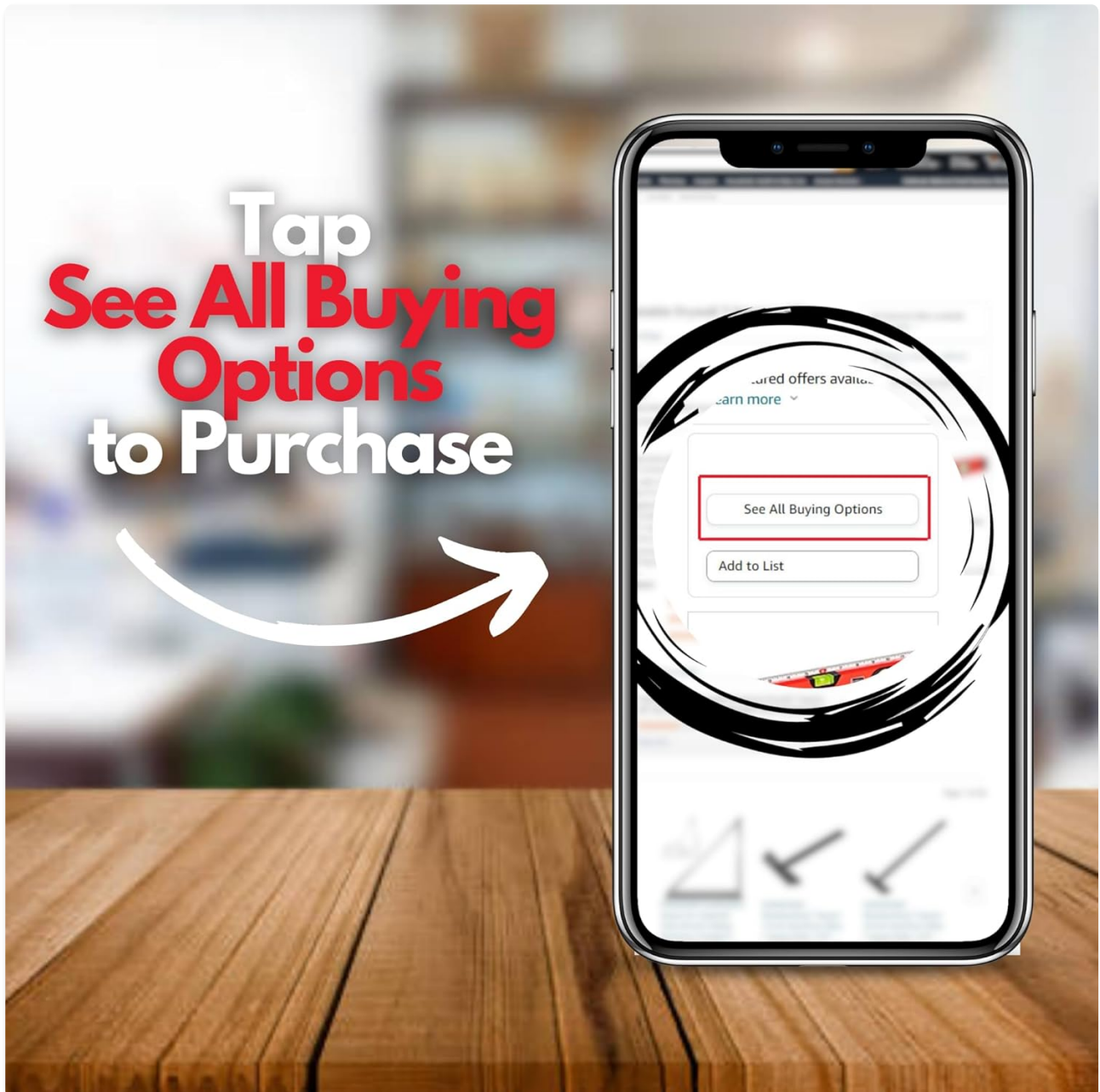


Image 2: The Kapro Vulcan level is suitable for various construction tasks.

For construction,
framing, carpentry, and
plumbing professionals.

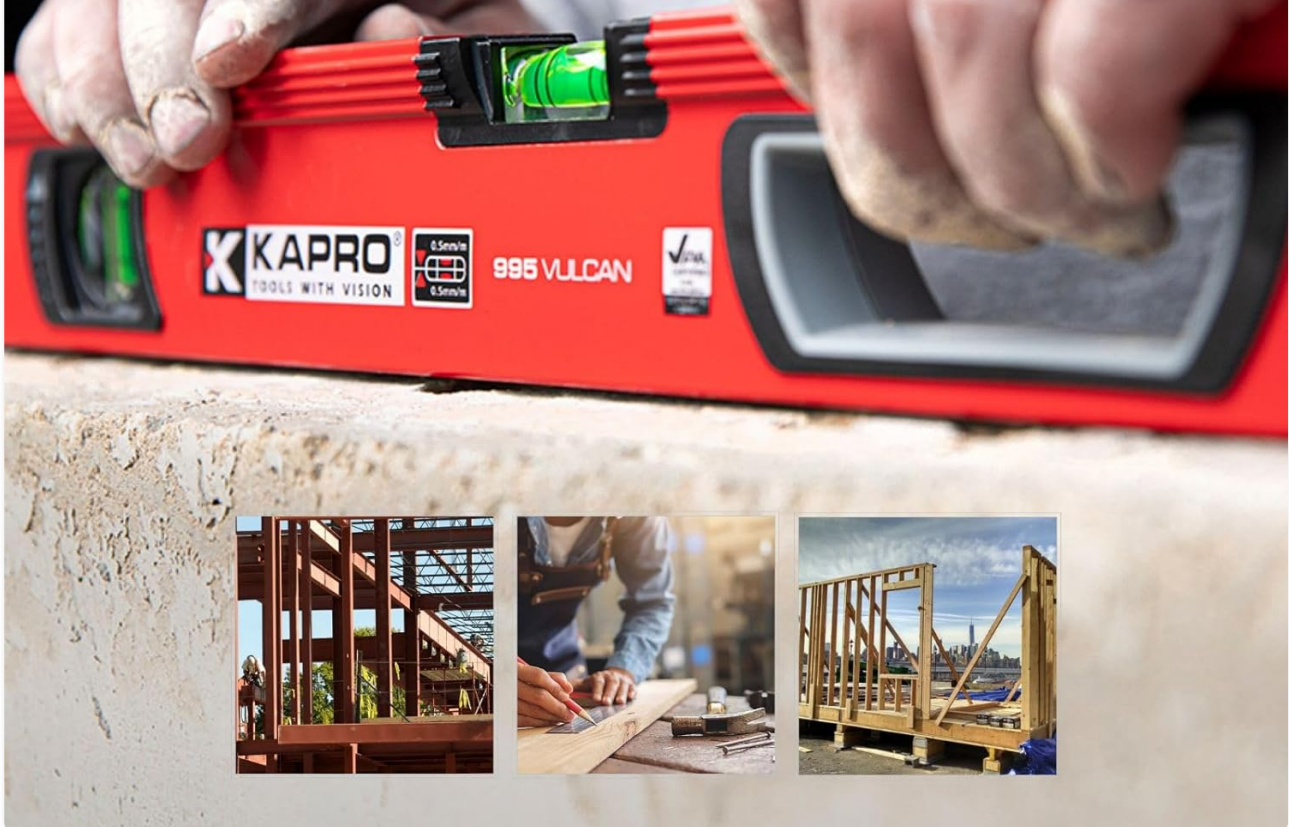
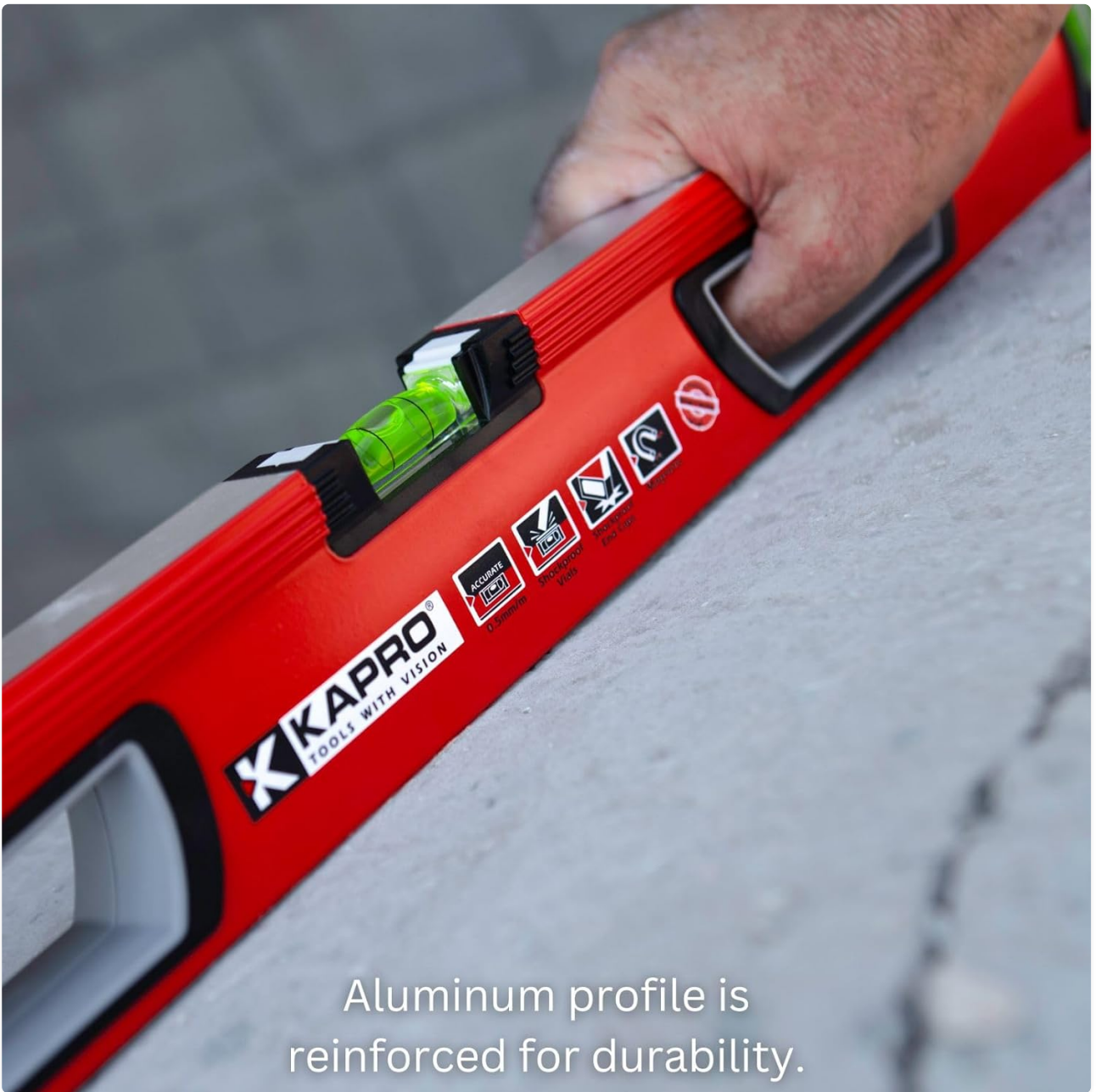


Image 3: Magnified vials offer improved visibility for accurate readings.

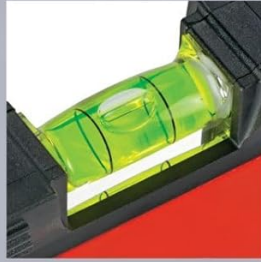


Image 4: The Plumb Site Dual-View vial allows for easy vertical alignment.



Aluminum profile is reinforced for durability.

Image 5: Rare-earth magnets provide hands-free stability on metallic surfaces.



No Parallax



Parallax



0.5mm/m



Shockproof
Vials



Shockproof
End Caps



Magne

Magnified vials are 33%
larger and do not suffer
from parallax issues.

Image 6: The wall-grip feature allows for one-handed marking without surface damage.



Magnetic v-groove is finely milled for leveling pipe.

Image 7: Ergonomic handles ensure a comfortable and secure grip.



Image 8: The level's reversible design supports 180-degree inversion for diverse tasks.

3. SETUP

Your Kapro 995-41X Vulcan Box Level is ready for immediate use upon unpacking. No assembly or initial calibration is required as the vials are factory-calibrated and VPA certified for accuracy.

Initial Inspection:

- Carefully remove the level from its packaging.
- Inspect the level for any signs of shipping damage.
- Ensure all three vials are intact and the liquid bubble moves freely.
- Verify that the end caps are securely in place.

4. OPERATING INSTRUCTIONS

4.1 Horizontal Leveling:

1. Place the level on the surface you wish to check for horizontal alignment.
2. Observe the bubble in the central horizontal vial.
3. Adjust the surface until the bubble is perfectly centered between the two black lines. The magnified vial provides enhanced visibility for precise alignment.

4.2 Vertical (Plumb) Leveling:

1. Position the level vertically against the surface.
2. Utilize the Plumb Site Dual-View vial for direct observation of the vertical bubble. This feature eliminates the need to strain or bend to view the vial from the side.
3. Adjust the surface until the bubble is centered within the vertical vial's lines.

4.3 Using the Magnetic Feature:

For hands-free operation on metallic surfaces, simply place the magnetic side of the level onto the desired metal object. The rare-earth magnets will securely hold the level in place, allowing you to make adjustments or markings with both hands.

4.4 Leveling on Pipes and Curved Surfaces:

The integrated V-groove base is designed to cradle pipes and other curved objects. Place the V-groove directly onto the pipe to ensure a stable and accurate reading for horizontal or vertical alignment.

4.5 One-Handed Marking with Wall-Grip:

When marking a line on a vertical surface, use the wall-grip feature. This allows you to press the level against the wall with one hand, providing stability while leaving your other hand free for marking, without scratching or damaging the surface.

5. MAINTENANCE

Proper maintenance will extend the life and accuracy of your Kapro 995-41X Vulcan Box Level.

5.1 Cleaning:

- After each use, wipe down the level with a clean, damp cloth to remove dust, dirt, and debris.
- For stubborn grime, a mild soap solution can be used. Avoid abrasive cleaners or harsh chemicals, as these can damage the vials or the level's finish.
- Ensure the vials are clean and clear for optimal visibility.

5.2 Storage:

- Store the level in a dry place, away from extreme temperatures and direct sunlight.
- Avoid storing the level where it might be subjected to heavy impacts or pressure, which could affect its accuracy.

6. TROUBLESHOOTING

6.1 Inaccurate Readings:

If you suspect your level is providing inaccurate readings:

- **Check for Debris:** Ensure the working surface and the level's base are free of any dirt, dust, or foreign objects that could interfere with proper contact.

- **Surface Stability:** Verify that the surface you are measuring is stable and not prone to movement or vibration.
- **Temperature Fluctuations:** Extreme temperature changes can temporarily affect the liquid in the vials. Allow the level to acclimate to the ambient temperature.
- **Accuracy Test:** Place the level on a flat surface and note the bubble's position. Rotate the level 180 degrees on the same spot. If the bubble's position changes, the level may require professional inspection.

6.2 Vial Damage:

While the vials are shockproof, severe impacts can cause damage. If a vial is cracked, leaking, or the bubble is not moving freely, the level's accuracy will be compromised. Refer to the warranty information for repair or replacement options.

7. SPECIFICATIONS

Feature	Detail
Brand	KAPRO
Material	Aluminum
Color	Red
Style	Vulcan - Magnetic
Operation Mode	Manual
Part Number	995-41X-48M
Item Weight	2.74 pounds
Product Dimensions	48 x 2.6 x 1.25 inches
Size	48-inch
Measurement Accuracy	0.5 mm per meter on horizontal and 0.75 mm per meter on vertical
Included Components	1 48" Level

8. WARRANTY

The Kapro 995-41X Vulcan Professional Box Level comes with a **LIFETIME Vial Accuracy Warranty**. This warranty is valid with a receipt and covers vial accuracy, provided there is no frame damage to the level. For warranty claims or further details, please contact Kapro customer support.

9. SUPPORT

For any questions, technical assistance, or support regarding your Kapro 995-41X Vulcan Professional Box Level, please refer to the official Kapro website or contact their customer service department.

You can also visit the [KAPRO Store on Amazon](#) for more information and products.

