

Stabila 02282

STABILA Type 70 Spirit Level 40 cm Instruction Manual

Model: 02282

1. INTRODUCTION

The STABILA Type 70 Spirit Level is a reliable and accurate measuring tool designed for various leveling tasks. Its lightweight aluminum rectangular profile ensures ease of handling, while STABILA's integrated vial technology guarantees long-term accuracy. This manual provides essential information for the proper setup, operation, and maintenance of your spirit level.



Image 1.1: STABILA Type 70 Spirit Level, 40 cm.

2. SAFETY INFORMATION

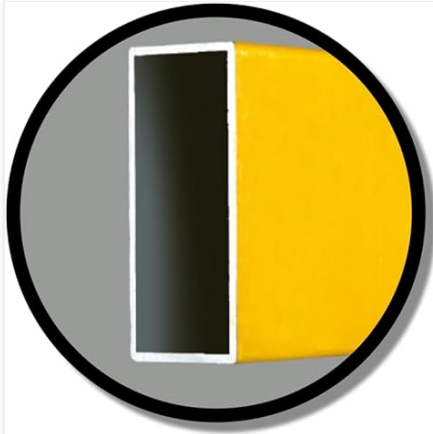
Please read and understand all safety instructions before using the spirit level. Keep this manual for future reference.

- Always handle the spirit level with care to prevent damage to the measuring surfaces and vials.
- Do not use the spirit level as a striking tool or lever.
- Store the spirit level in a clean, dry place away from extreme temperatures and direct sunlight.
- Keep out of reach of children.

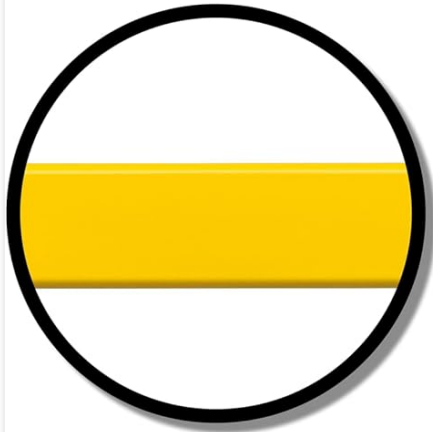
3. COMPONENTS

The STABILA Type 70 Spirit Level consists of the following key components:

- **Aluminum Rectangular Profile:** The main body of the level, providing structural integrity and a lightweight design.
- **Vials:** High-transparency acrylic glass vials with precision-ground inner contours and fluorescent fluid for optimum readability. These indicate horizontal and vertical alignment.
- **Coated Measuring Surface:** Designed to protect delicate surfaces during use.
- **Plastic End Caps:** Protect the profile against impact and wear.



»» **Lightweight aluminium profile** is comfortable to handle

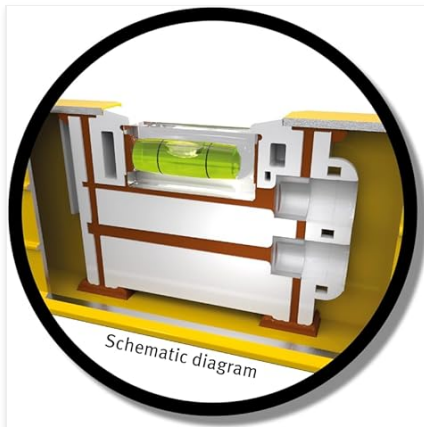


»» **Coated measuring surface** protects delicate surfaces

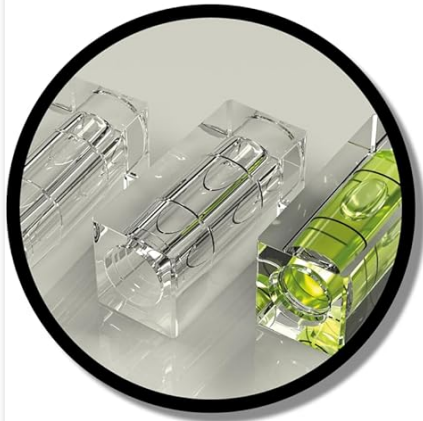


»» **Plastic end caps** protect the profile against impact

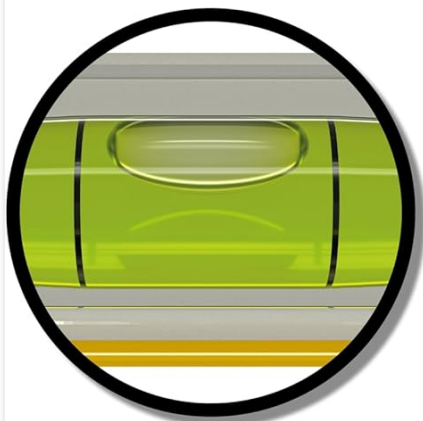
Image 3.1: Key features including lightweight aluminum profile, coated measuring surface, and protective end caps.



» **Long-term accuracy** thanks to STABILA integrated vial technology



» **High-transparency acrylic glass** with precision-ground inner contours



» **Optimum readability** thanks to fluorescent vial fluid

Image 3.2: Detailed view of STABILA's integrated vial technology for long-term accuracy and optimum readability.

4. SETUP

The STABILA Type 70 Spirit Level is ready for use directly out of the packaging. No assembly is required.

1. **Unpacking:** Carefully remove the spirit level from its packaging.
2. **Visual Inspection:** Before first use, inspect the spirit level for any visible damage. Ensure the vials are clear and the fluid is intact. Check that the measuring surfaces are clean and free from debris.

5. OPERATING INSTRUCTIONS

Using the STABILA Type 70 Spirit Level is straightforward. Follow these steps for accurate measurements:

1. **Horizontal Leveling:** Place the spirit level flat on the surface you wish to check. Observe the horizontal vial. The surface is level when the air bubble is centered precisely between the two indicator rings.

2. **Vertical Leveling:** Place the spirit level vertically against the surface. Observe the vertical vial. The surface is plumb (vertically level) when the air bubble is centered precisely between the two indicator rings.
3. **Reading the Vial:** The fluorescent vial fluid enhances visibility, making it easier to read the bubble's position even in low light conditions. Ensure your eye is level with the vial for the most accurate reading.
4. **Protecting Surfaces:** The coated measuring surface helps prevent scratches or marks on delicate materials.



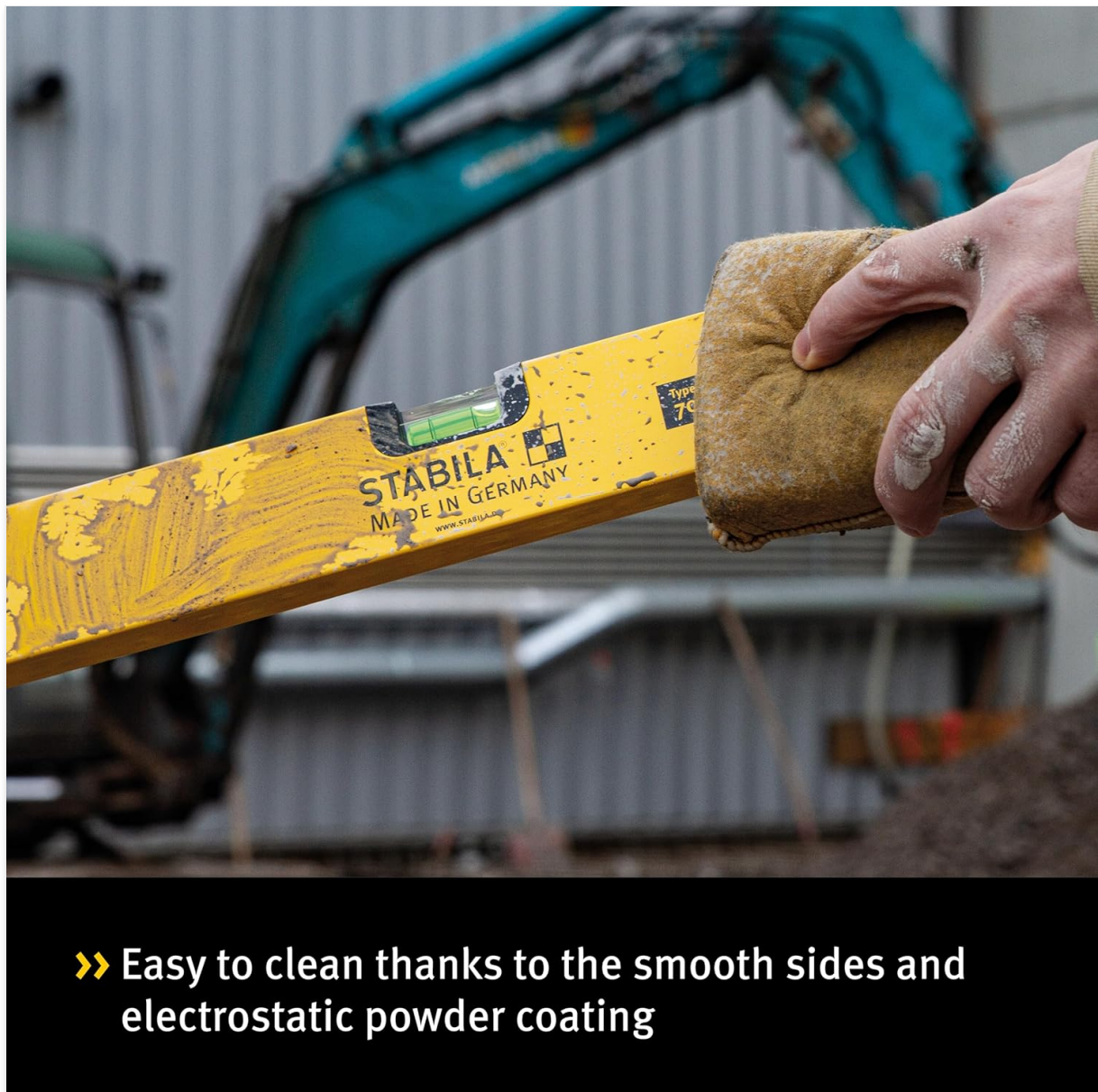
Image 5.1: Proper technique for using the spirit level to ensure accurate measurements.

6. MAINTENANCE

Proper maintenance will extend the life and accuracy of your STABILA Type 70 Spirit Level.

- **Cleaning:** The smooth sides and electrostatic powder coating make the level easy to clean. Wipe the level with a damp cloth after each use to remove dust, dirt, or construction debris. Avoid abrasive cleaners or solvents that could damage the finish or vials.
- **Storage:** Store the spirit level flat or hanging in a secure location where it will not be subjected to impacts or extreme temperatures. The plastic end caps provide protection against minor impacts.
- **Inspection:** Periodically check the vials for clarity and ensure the bubble moves freely. Verify the

measuring surfaces are not warped or damaged.



» Easy to clean thanks to the smooth sides and electrostatic powder coating

Image 6.1: Cleaning the spirit level with a sponge to maintain its condition and accuracy.

7. TROUBLESHOOTING

If you encounter issues with your spirit level, consider the following:

- **Inaccurate Readings:**
 - Ensure the measuring surface of the level and the object being measured are clean and free of debris.
 - Check if the level itself is placed firmly and stably on the surface.
 - Verify that the vials are not damaged or leaking. STABILA levels are designed for long-term accuracy, but severe impacts can affect calibration.
- **Bubble Not Moving Freely:**
 - This is highly unlikely with STABILA's sealed vials. If observed, the vial might be damaged.

For persistent issues or suspected damage, contact STABILA customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	Stabila
Model Number	02282
Length	40 cm
Material	Aluminum, Plastic
Color	Yellow/Black
Weight	0.18 Pounds (approx. 82 grams)
Measuring Accuracy (Normal Position)	± 0.5 mm/m

9. WARRANTY AND SUPPORT

STABILA products are manufactured to high-quality standards. For information regarding warranty coverage or technical support, please refer to the warranty card included with your purchase or visit the official STABILA website. You may also contact STABILA customer service directly for assistance.

Note: Specific warranty terms may vary by region and retailer.