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### STABILA 02143

# STABILA Nivel 70 M 50cm Spirit Level User Manual

Model: 02143 | Brand: STABILA

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So messen echte Profis

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## 1. INTRODUCTION

The STABILA Nivel 70 M 50cm is a high-quality spirit level designed for precise measurement tasks in various professional and DIY applications. Featuring a robust aluminum profile and a powerful rare-earth magnet system, this tool ensures accurate and reliable leveling. Its integrated vial technology and fluorescent fluid provide optimal readability and long-term accuracy, even under challenging conditions.



Image 1.1: The STABILA Nivel 70 M 50cm spirit level, showcasing its robust design and clear vials.

## 2. PRODUCT FEATURES

- **Strong Rare-Earth Magnet System:** Allows for secure adhesion to metallic surfaces, freeing hands for alignment and adjustment tasks.

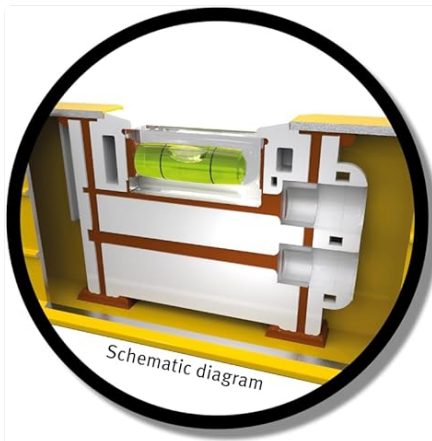
# HIGH ADHESION



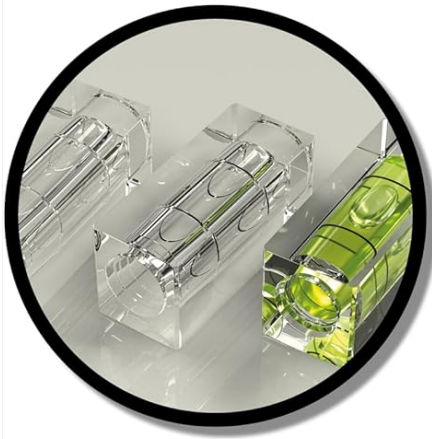
» **Strong rare-earth magnet system**  
leaves the hands free when aligning and  
adjusting pillars and supports

Image 2.1: Detail of the strong rare-earth magnet system for hands-free operation.

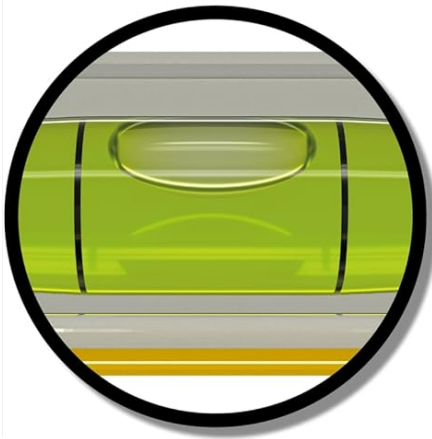
- **Integrated Vial Technology:** Ensures long-term accuracy and consistent measurement results.
- **High-Transparency Acrylic Glass Vials:** Precision-ground inner contours for clear and accurate readings.
- **Fluorescent Vial Fluid:** Provides optimum readability in various lighting conditions.



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



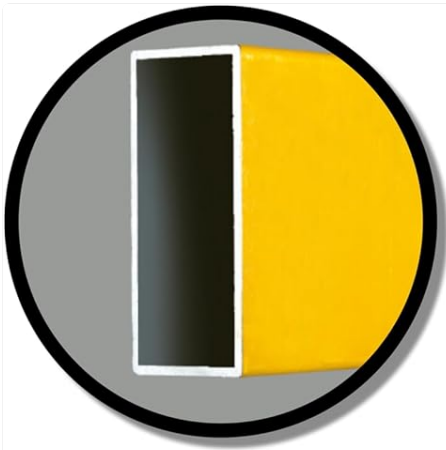
»» **High-transparency acrylic glass** with precision-ground inner contours



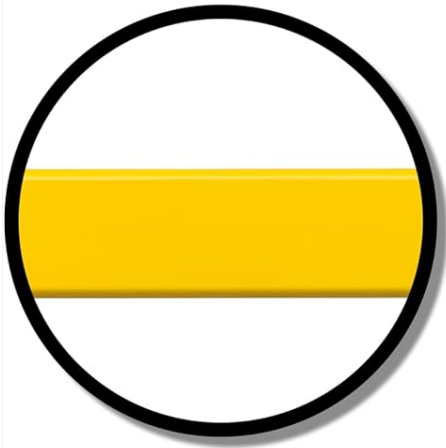
»» **Optimum readability** thanks to fluorescent vial fluid

Image 2.2: Visual representation of STABILA's integrated vial technology, high-transparency acrylic glass, and fluorescent fluid for optimal readability.

- **Lightweight Aluminum Profile:** Comfortable to handle and highly durable.
- **Coated Measuring Surface:** Protects delicate surfaces from scratches during use.
- **Plastic End Caps:** Provide protection against impact, extending the tool's lifespan.



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



» **Coated measuring surface** protects delicate surfaces



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

Image 2.3: Close-up of the lightweight aluminum profile, coated measuring surface, and protective plastic end caps.

- **Easy to Clean:** Smooth sides and electrostatic powder coating facilitate effortless cleaning after use.



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

Image 2.4: Demonstrating the ease of cleaning the spirit level due to its smooth surfaces.

### 3. SETUP

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The STABILA Nivel 70 M 50cm spirit level requires minimal setup. Upon receiving your level, please follow these steps:

1. **Unpack:** Carefully remove the spirit level from its packaging.
2. **Inspect:** Check the level for any visible damage that might have occurred during shipping. Ensure the vials are clear and free of bubbles (other than the measurement bubble).
3. **Familiarize:** Take a moment to familiarize yourself with the level's features, including the magnetic strips on the measuring surface and the protective end caps.

### 4. OPERATING INSTRUCTIONS

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Using the STABILA Nivel 70 M 50cm is straightforward. Always ensure the measuring surface is clean before use to guarantee accuracy.



## 4.1. Horizontal Measurement

1. Place the spirit level flat on the surface you wish to check for horizontal alignment.
2. Observe the horizontal vial (the longer one). The bubble should be centered precisely between the two indicator lines.
3. Adjust the surface until the bubble is perfectly centered.

## 4.2. Vertical Measurement

1. Hold the spirit level vertically against the surface you wish to check for plumb (vertical alignment).
2. Observe the vertical vial (the shorter one). The bubble should be centered precisely between the two indicator lines.
3. Adjust the surface until the bubble is perfectly centered.

## 4.3. Using the Magnetic System

The integrated rare-earth magnets allow for hands-free operation on ferromagnetic surfaces.

- Simply place the magnetic side of the level onto a metallic surface (e.g., steel beams, metal studs).
- The strong magnets will hold the level securely in place, allowing you to make adjustments or mark positions without needing to hold the level.



Image 4.1: A construction worker utilizing the spirit level for vertical alignment on a construction site.

## 5. MAINTENANCE

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Proper maintenance will ensure the longevity and accuracy of your STABILA spirit level.

- **Cleaning:** After each use, especially in dusty or dirty environments, wipe down the level with a damp cloth. The smooth surfaces and electrostatic powder coating make cleaning easy. Avoid abrasive cleaners or solvents that could damage the finish or vials.
- **Storage:** Store the spirit level in a dry place, away from extreme temperatures and direct sunlight. While durable, avoid storing it in a way that could bend or warp the aluminum profile.
- **Impact Protection:** The plastic end caps offer protection, but avoid dropping the level from significant heights or subjecting it to severe impacts, as this could affect its calibration.

## 6. TROUBLESHOOTING

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If you encounter issues with your STABILA Nivel 70 M 50cm, consider the following:

Problem	Possible Cause	Solution
Inaccurate readings	Dirty measuring surface; Level is not flat on surface; Level has been dropped or damaged.	Clean the measuring surface; Ensure level is fully seated; If damaged, consider professional calibration or replacement.
Bubble not moving freely	Vial fluid is frozen (extreme cold); Internal damage to vial.	Allow level to warm to room temperature; If persistent, contact support.
Magnets not adhering strongly	Surface is not ferromagnetic; Surface is too rough or dirty; Magnets are damaged.	Ensure surface is suitable metal; Clean surface; Contact support if magnets are damaged.

## 7. SPECIFICATIONS

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Attribute	Value
Manufacturer	STABILA
Part Number	02143
Product Dimensions	50 x 2.1 x 5 cm
Weight	410 g
Size	50 cm
Color	MULTICOLOR (Yellow)
Style	With magnet
Material	Aluminum
Power Source	Hand Powered
Number of Items in Package	1
Measurement System	Metric
Special Features	Rare-earth magnet system – strong adhesion
GTIN (Global Trade Item Number)	04005069021436

## 8. WARRANTY AND SUPPORT

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STABILA products are known for their quality and durability. For specific warranty information, please refer to the documentation included with your purchase or visit the official STABILA website. In case of technical issues or questions not covered in this manual, please contact STABILA customer support. For further assistance, you may also refer to the [STABILA Brand Store on Amazon](#).



Related Documents - 02143

	<p><a href="#">STABILA LAX 300 G Laser Level Operating Instructions</a></p> <p>Comprehensive operating instructions for the STABILA LAX 300 G laser level, detailing its intended use, main components, operating modes, commissioning, calibration checks, and technical specifications.</p>
	<p><a href="#">STABILA LAX 600 Series Operating Instructions</a></p> <p>Comprehensive operating instructions for the STABILA LAX 600 series laser level, covering intended use, unit components, commissioning, functions, LED indicators, bracket usage, accuracy checks, and technical specifications. Includes safety guidelines and operational procedures.</p>
	<p><a href="#">STABILA LAR 160 / LAR 160 G Rotary Laser Level User Manual</a></p> <p>User manual for the STABILA LAR 160 and LAR 160 G rotary laser levels. Includes operating instructions, safety information, functions, technical specifications, and accuracy checks for professional use on construction sites.</p>
	<p><a href="#">STABILA LD 220 Laser Distance Meter User Manual</a></p> <p>Comprehensive user manual for the STABILA LD 220 laser distance meter, covering product overview, instrument setup, technical specifications, message codes, warranty, and contact information.</p>
	<p><a href="#">STABILA LAR 160 / LAR 160 G Navodila za uporabo - Rotacijski laser</a></p> <p>Celovita navodila za uporabo za rotacijski laser STABILA LAR 160 in LAR 160 G. Vključuje varnostna opozorila, opis elementov naprave, načine delovanja, funkcije, LED prikaze, preverjanje natančnosti in tehnične podatke.</p>
	<p><a href="#">STABILA LD 250 BT Laser Distance Meter User Manual</a></p> <p>User manual for the STABILA LD 250 BT laser distance meter, detailing its features, technical specifications, operation, safety guidelines, and troubleshooting.</p>