

## KAIWEETS KVBF01

# KAIWEETS Brake Fluid Tester Pen User Manual

Model: KVBF01 | Brand: KAIWEETS

## 1. INTRODUCTION

The KAIWEETS Brake Fluid Tester Pen (Model KVBF01) is a high-precision instrument designed to quickly and accurately measure the moisture content in various types of brake fluid, including DOT3, DOT4, and DOT5.1. This device helps ensure optimal brake performance and safety by indicating when brake fluid replacement is necessary. Its durable, corrosion-resistant probe and user-friendly features like a data hold function, three-color backlight, and buzzer alarm make it an essential tool for both professional mechanics and DIY enthusiasts.

## 2. SAFETY INFORMATION

Please read and understand all safety warnings and operating instructions before using the KAIWEETS Brake Fluid Tester Pen. Failure to do so may result in injury or damage to the device.

- Keep the device away from children.
- Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- Avoid dropping or subjecting the device to strong impacts.
- Do not attempt to disassemble or modify the device. Refer all servicing to qualified personnel.
- Ensure the probe is clean and dry before and after each use to prevent contamination and ensure accurate readings.
- Brake fluid is corrosive. Avoid contact with skin and eyes. In case of contact, rinse immediately with plenty of water and seek medical attention if irritation persists.
- Dispose of used batteries and brake fluid according to local regulations.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x KAIWEETS Brake Fluid Tester Pen (KVBF01)
- 2 x AAA Batteries

## 4. PRODUCT OVERVIEW AND FEATURES

The KAIWEETS Brake Fluid Tester Pen is designed for ease of use and accurate measurement. Below are its main components and key features.



Figure 4.1: KAIWEETS Brake Fluid Tester Pen and included AAA batteries.

#### 4.1 Key Components

- **Corrosion-Resistant Probe:** Located at the bottom, this durable probe is designed for long-lasting performance and accurate readings even with frequent use.
- **LCD Display:** Shows measurement results, battery status, and fluid type (DOT3, DOT4, DOT5.1).
- **Power Button:** Used to turn the device ON/OFF.

- **"S" Button (Select/Hold):** Used to select fluid type and activate the data hold function.

## 4.2 Key Features

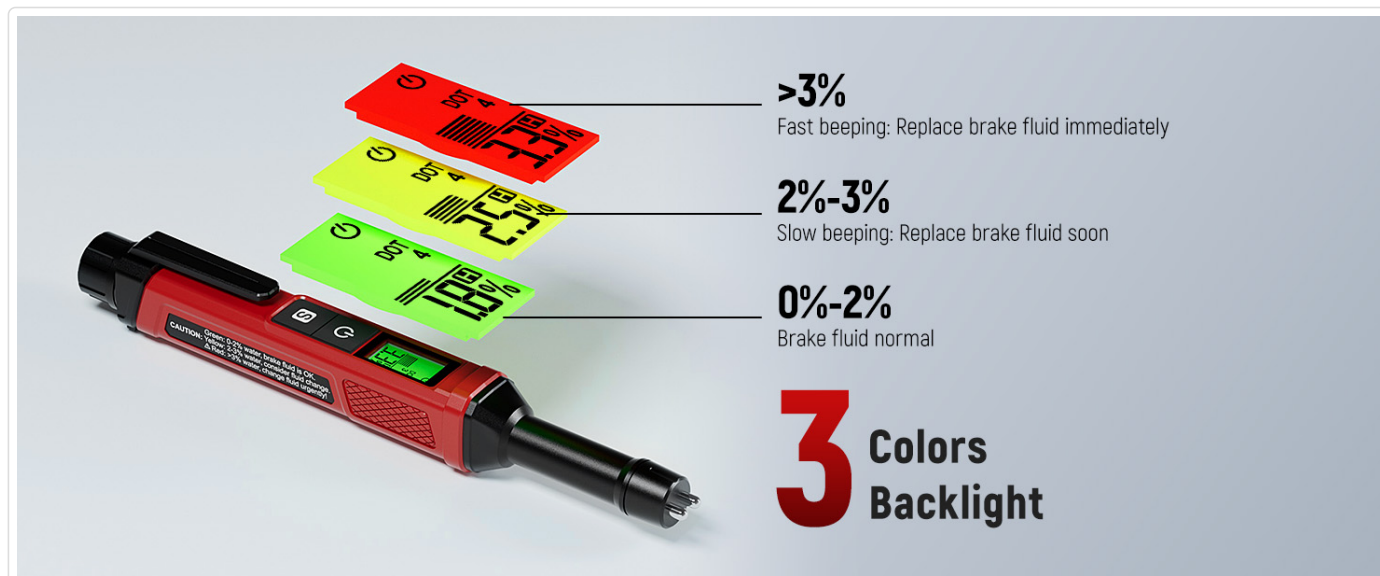


Figure 4.2: The KAIWEETS tester features a corrosion-resistant probe for enhanced durability and extended use.

**Durable and Corrosion-Resistant Probe:** The tester is equipped with a robust probe designed to withstand corrosive brake fluid, ensuring long-term reliability and consistent performance.



Figure 4.3: The data hold function allows for easy review of readings.

**Data Hold Function:** This feature allows you to freeze the current measurement on the display, making it easier to record or review readings without needing to keep the probe in the fluid.

## 3 COLORS BACKLIGHT

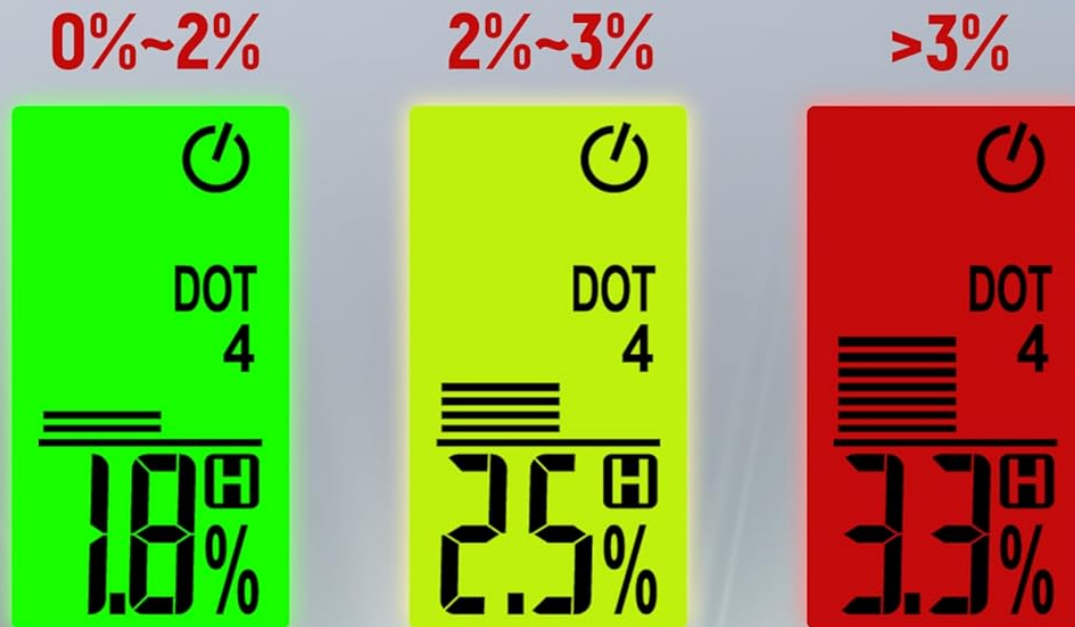


Figure 4.4: The three-color backlight provides clear visual indications of moisture content.

**Three-Color Backlight:** The LCD display changes color to provide a quick visual indication of the brake fluid's condition:

- **Green:** 0% - 2% moisture content. Brake fluid is in good condition.
- **Yellow:** 2% - 3% moisture content. Brake fluid is approaching critical levels; replacement is recommended soon.
- **Red:** Greater than 3% moisture content. Brake fluid is saturated with moisture and requires immediate replacement.



Figure 4.5: The buzzer alarm provides an audible warning for high moisture levels.

**Buzzer Alarm:** An audible alarm will sound when the moisture level exceeds 3%, providing an immediate warning that the brake fluid needs to be changed.



# EXTENSIVE TESTING COVERAGE

Suitable for DOT 3, DOT 4, and DOT 5.1

DOT 3 DOT 4 DOT 5.1



Figure 4.6: The tester is compatible with DOT3, DOT4, and DOT5.1 brake fluids.

**Extensive Testing Coverage:** The tester is calibrated to accurately measure moisture content in DOT3, DOT4, and DOT5.1 brake fluids, making it versatile for various vehicle types.

**High Accuracy:** Provides precise readings with an accuracy of  $\pm 0.3\%$  within a range of 0% - 4% moisture content.

**Automatic Shutdown:** The device features an automatic shutdown function to conserve battery life when not in use.

**Low Battery Indication:** The display will show a low battery icon when the batteries need to be replaced.

## 5. SETUP

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### 5.1 Battery Installation

The KAIWEETS Brake Fluid Tester Pen requires 2 AAA batteries (included). Follow these steps to install them:

1. Locate the battery compartment cover at the top end of the tester.
2. Twist or slide the cover to open the compartment.
3. Insert the 2 AAA batteries, ensuring the correct polarity (+/-) as indicated inside the compartment.
4. Replace the battery compartment cover securely.

The device is now ready for use.

## 6. OPERATING INSTRUCTIONS

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Follow these steps to accurately test your brake fluid:

1. **Prepare the Tester:** Ensure the probe is clean and dry before use.
2. **Power On:** Press the Power button ( ) to turn on the tester. The display will light up.
3. **Select Fluid Type:** Press the "S" button to cycle through DOT3, DOT4, and DOT5.1 brake fluid types. Select the type corresponding to your vehicle's brake fluid.
4. **Immerse Probe:** Carefully immerse the probe into the brake fluid reservoir. Ensure the probe tips are fully submerged in the fluid.
5. **Read Measurement:** The tester will automatically display the moisture content percentage. Observe the percentage reading and the backlight color:
  - **Green Light:** 0% - 2% moisture. Brake fluid is normal.
  - **Yellow Light:** 2% - 3% moisture. Brake fluid needs attention soon.
  - **Red Light:** Greater than 3% moisture. Brake fluid needs immediate replacement. The buzzer will also sound.
6. **Use Data Hold (Optional):** While the probe is immersed, press and hold the "S" button to activate the data hold function. The reading will be frozen on the display. Press "S" again to release.
7. **Remove and Clean:** Carefully remove the probe from the brake fluid. Wipe the probe clean with a soft, dry cloth immediately after use to prevent corrosion and ensure longevity.
8. **Power Off:** Press and hold the Power button ( ) to turn off the tester. The device will also automatically shut down after a period of inactivity.

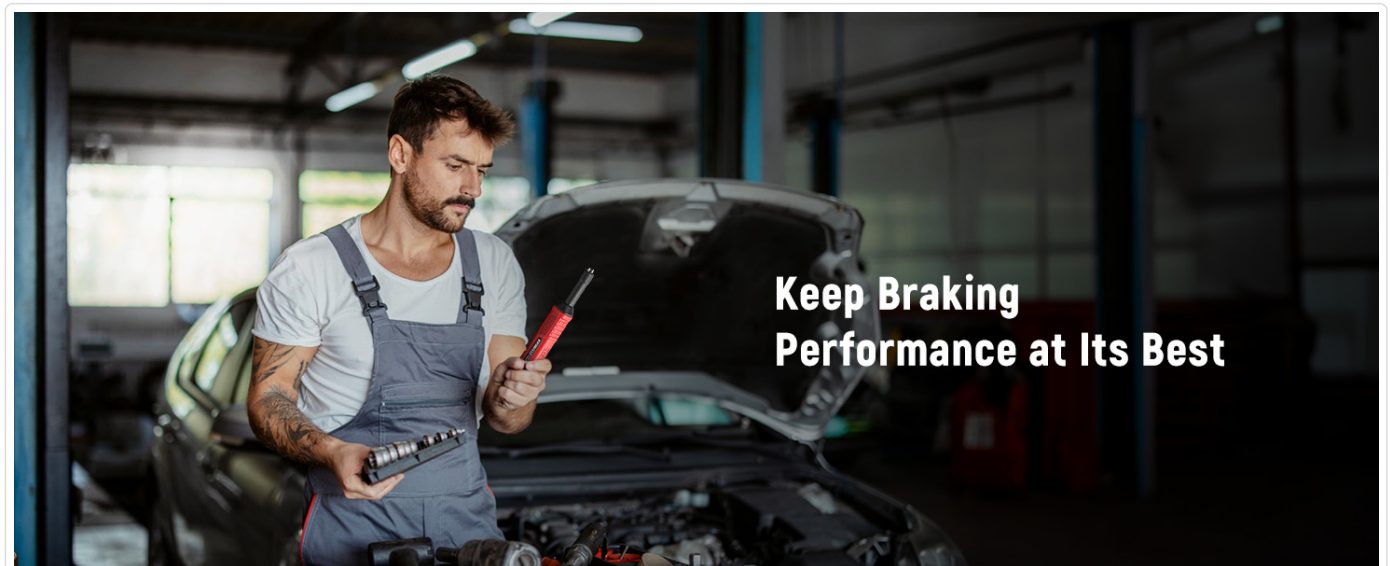




Figure 6.1: Interpretation of the three-color backlight and buzzer alarm.

## 7. MAINTENANCE

Proper maintenance will extend the life of your KAIWEETS Brake Fluid Tester Pen.

- **Cleaning:** Always clean the probe thoroughly with a dry, lint-free cloth immediately after each use. Do not use water or cleaning solvents on the probe or device body.
- **Storage:** Store the tester in a cool, dry place, away from direct sunlight and corrosive materials.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display to ensure accurate readings and proper operation.

## 8. TROUBLESHOOTING

If you encounter issues with your KAIWEETS Brake Fluid Tester Pen, refer to the following table:

Problem	Possible Cause	Solution
Device does not power on.	Batteries are dead or incorrectly installed. Device malfunction.	Check battery polarity and replace batteries if necessary. Contact customer support if the issue persists after battery replacement.
Inaccurate readings.	Probe is not clean or dry. Incorrect fluid type selected. Probe not fully immersed. Batteries are low.	Clean and dry the probe thoroughly. Ensure the correct DOT type (DOT3, DOT4, or DOT5.1) is selected. Ensure the probe tips are fully submerged in the brake fluid. Replace batteries.
Buzzer alarm sounds constantly.	Brake fluid moisture content is above 3%.	This indicates the brake fluid needs immediate replacement.

## 9. SPECIFICATIONS

Parameter	Value
Model Number	KVBF01
Product Dimensions	9.92 x 2.56 x 1.57 inches
Item Weight	4.16 ounces
Power Source	2 x 1.5V AAA Batteries (included)
Measurement Accuracy	±0.3%
Measurement Range	0% - 4% moisture content
Operating Temperature	0-40°C (32-104°F)
Compatible Fluid Types	DOT3, DOT4, DOT5.1
Material	Polypropylene

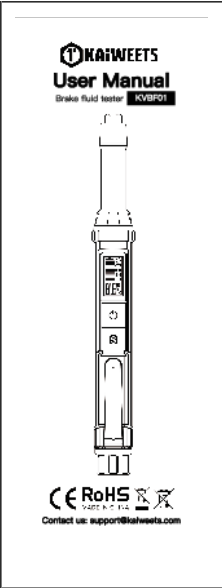

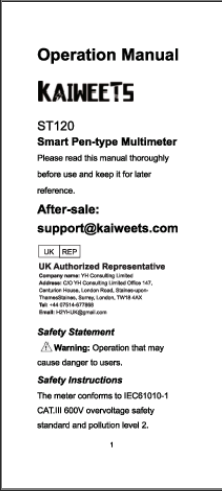
10. WARRANTY AND CUSTOMER SUPPORT

KAIWEETS is committed to providing high-quality products and excellent customer service.

- **Warranty:** This product comes with a 3-year warranty from the date of purchase.
- **Returns:** Enjoy a 30-day free return policy.
- **Technical Support:** KAIWEETS provides lifetime technical support for this product.
- **Contact Us:** If you have any questions, concerns, or require technical assistance, please do not hesitate to contact KAIWEETS customer service. For more information, visit the official KAIWEETS store on Amazon: [KAIWEETS Store](#).

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Related Documents

	<p><a href="#">Kaiweets KVBF01 Brake Fluid Tester User Manual</a></p> <p>User manual for the Kaiweets KVBF01 Brake Fluid Tester, detailing its features, instructions for use, product parameters, and warranty information.</p>
	<p><a href="#">Kaiweets KM117B Receptacle Tester Instructions and Safety Guide</a></p> <p>Comprehensive guide for the Kaiweets KM117B Receptacle Tester, detailing its features for detecting wiring problems, GFCI testing, and voltage measurements. Includes safety warnings and technical specifications.</p>
	<p><a href="#">KAIWEETS ST120 Smart Pen-type Multimeter Operation Manual</a></p> <p>This manual provides detailed instructions for operating the KAIWEETS ST120 Smart Pen-type Multimeter, including safety precautions, product overview, measurement functions, technical specifications, and maintenance procedures.</p>



### [KAIWEETS HT206D Digital Clamp Meter User Manual and Specifications](#)

Comprehensive user manual for the KAIWEETS HT206D digital clamp meter. Includes detailed instructions on operation, safety precautions, features, specifications, and maintenance for this T-RMS auto-ranging AC/DC clamp meter.

Documents - KAIWEETS – KVBF01

### **KAIWEETS** **User Manual** Brake fluid tester **KVBF01**



### [Kaiweets KVBF01 Brake Fluid Tester User Manual](#)

User manual for the Kaiweets KVBF01 Brake Fluid Tester, detailing its features, instructions for use, product parameters, and warranty information.

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