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TESMEN TBF-300-BL

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MODEL: TBF-300-BL

Introduction

The TESMEN TBF-300 Brake Fluid Tester is a diagnostic tool designed to assess the quality and condition of brake fluid in vehicles. It accurately measures the water content in brake fluid, which is crucial for determining if the fluid needs replacement. Over time, brake fluid can absorb moisture from the air, leading to reduced effectiveness and potential compromise of braking performance. Regular testing with the TBF-300 helps maintain optimal brake system safety and longevity.



Underground Garage

Car Repair Shop

Used Car Market

Severe Weather

The TESMEN TBF-300 is suitable for use in various automotive environments, ensuring brake fluid quality in diverse conditions.

Product Overview and Features

The TESMEN TBF-300 is engineered for precision and ease of use, offering several key features to facilitate accurate brake fluid testing:

- **8.5-Inch Corrosion-Resistant Gooseneck Probe:** The flexible metal probe is designed to resist corrosion and allows for easy access to brake fluid reservoirs, preventing device damage and maintaining cleanliness.



The flexible 8.5-inch gooseneck probe allows for easy and clean access to brake fluid reservoirs.

- **Highly Sensitive Metal Probes:** Equipped with sensitive metal probes for accurate detection of moisture content.



Highly Sensitive Metal Probes



The sensitive metal probes ensure precise measurement of moisture in brake fluid.

- **Flashlight Illumination:** An integrated flashlight ensures clear visibility during testing, even in low-light or dark conditions, enhancing convenience and accuracy.

LAMP FUNCTION

Efficiently solves detection problems
in dark conditions



The built-in lamp function aids in efficiently solving detection problems in dark conditions.

- **Large Display with Data Hold:** Features an enlarged screen for clear and convenient reading. The data retention function allows users to hold the current measurement for easy recording.

DATA HOLD ON, EASY TO RECORD



Short Press to Hold Current Data

The large display and data hold function make readings easy to record.

- **Wide Compatibility:** Supports DOT3, DOT4, and DOT5.1 brake fluid types, providing accurate readings within the 0%-4% range.
- **Low Battery Indicator:** Alerts the user when batteries are low, ensuring uninterrupted operation.
- **Auto Power Off:** Conserves battery life by automatically shutting down after a period of inactivity.
- **Portable and Easy to Store:** Compact design for convenient transport and storage.

What's in the Box

Upon opening the package, you will find the following items:

- 1x TESMEN TBF-300 Brake Fluid Tester
- 1x User Manual

- 1x Hold-all Bag
- 2x 1.5V AAA Batteries

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TBF-300



BRAKE FLUID LIQUID TESTER

The complete package includes the TBF-300 tester, user manual, carry bag, and batteries.

Setup

Battery Installation

1. Locate the battery compartment on the back of the TBF-300 tester.
2. Open the battery compartment cover.
3. Insert the two 1.5V AAA batteries, ensuring correct polarity (+/-).

4. Close the battery compartment cover securely.



The TBF-300 requires two AAA batteries for operation.

Operating Instructions

Follow these steps to accurately test your vehicle's brake fluid:

1. Step 1: Power On

Long press the power button to turn on the device. The display will illuminate.

2. Step 2: Select Brake Fluid Type

Press the "F" button to cycle through and select the appropriate brake fluid type (DOT3, DOT4, or DOT5.1) for your vehicle. Ensure the selected type matches the fluid in your vehicle's reservoir.

3. Step 3: Insert Probe

Carefully insert the tester's metal probe into the brake fluid reservoir. Ensure the probe tip is fully submerged in the fluid.

4. Step 4: Read Data

The device will automatically begin testing. Read the moisture content percentage displayed on the screen. The backlight color will indicate the fluid's condition.

To hold the current data on the screen, short press the data hold button (often labeled "H" or "M/C"). Press again to release.

Understanding Readings and Alarms

The TESMEN TBF-300 provides clear visual indicators through its backlight system to help you interpret the brake fluid's condition:

- **Green Backlight (0%~2%):** Indicates that the brake fluid is in good condition and has minimal moisture content.
- **Yellow Backlight (2%~3%):** Suggests that the brake fluid has absorbed some moisture and should be monitored. Replacement may be necessary soon.
- **Red Backlight (More than 3%):** Signifies that the brake fluid has a high moisture content and requires immediate replacement to ensure braking system safety. An audible alarm will also sound.

It is important to replace brake fluid when the moisture content is high, as excessive water can lower the fluid's boiling point, leading to brake fade and reduced braking efficiency.

Maintenance

To ensure the longevity and accuracy of your TESMEN TBF-300 Brake Fluid Tester, follow these maintenance guidelines:

- **Cleaning the Probe:** After each use, thoroughly wipe the metal probe with a clean, dry cloth to remove any brake fluid residue. This prevents corrosion and ensures accurate future readings.
- **Storage:** Store the tester in its provided hold-all bag in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Replacement:** Replace batteries promptly when the low battery indicator appears to ensure consistent performance. If storing for extended periods, remove the batteries to prevent leakage.
- **Avoid Contamination:** Do not expose the tester to excessive dust, dirt, or other liquids besides brake fluid during testing.

Troubleshooting

If you encounter issues with your TESMEN TBF-300, consider the following common solutions:

Problem	Possible Cause	Solution
Device does not power on.	Low or dead batteries; incorrect battery installation.	Replace batteries with new 1.5V AAA batteries. Ensure correct polarity.
Inaccurate or inconsistent readings.	Probe not fully submerged; probe tip is dirty; incorrect fluid type selected.	Ensure probe is fully submerged. Clean probe tip thoroughly. Verify correct DOT type is selected.
Display is dim or flickering.	Low battery.	Replace batteries.
No audible alarm when moisture is high.	Fluid moisture content is below 3%.	The alarm only activates when moisture content exceeds 3%.

If the problem persists after attempting these solutions, please contact TESMEN customer support for further assistance.

Specifications

Feature	Detail
Product Model Number	TBF-300-BL
Product Dimensions	13.38 x 1.77 x 1.1 inches
Item Weight	8.78 ounces
Measurement Accuracy	0% to 4%
Measuring Range	0% - 4%
Supported Brake Fluid Types	DOT3, DOT4, DOT5.1
Probe Length	8.5 inches (Gooseneck)
Power Source	2 x 1.5V AAA Batteries (included)
Output Type	Digital

Warranty and Support

For warranty information or technical support regarding your TESMEN TBF-300 Brake Fluid Tester, please refer to the contact details provided in the included user manual or visit the official TESMEN website. Keep your purchase receipt as proof of purchase for any warranty claims.

The product is verified by Transparency, with each item having a unique code verified before shipping.