

## TESMEN TBF-300

# TESMEN TBF-300 Brake Fluid Liquid Tester User Manual

Model: TBF-300

## 1. INTRODUCTION

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The TESMEN TBF-300 is a professional brake fluid liquid tester designed to accurately measure the moisture content in DOT3, DOT4, and DOT5.1 brake fluids. Regular testing of brake fluid is crucial for vehicle safety, as excessive moisture can reduce braking efficiency and lead to system corrosion. This device features a corrosion-resistant gooseneck probe, a large display with data hold function, and an integrated flashlight for use in various conditions.



**Figure 1:** The TESMEN TBF-300 brake fluid tester, shown with its flexible gooseneck probe and two AAA batteries, ready for use.

## 2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x TESMEN TBF-300 Brake Fluid Liquid Tester
- 2 x AAA 1.5V Batteries

- 1 x User Manual
- 1 x Storage Bag

# TESMEN

# TBF-300



## BRAKE FLUID LIQUID TESTER

**Figure 2:** The complete package contents of the TESMEN TBF-300 brake fluid tester, featuring the main unit, a protective storage bag, two AAA batteries, and the user manual.

### 3. SETUP: BATTERY INSTALLATION

1. Locate the battery compartment cover on the back of the device.


2. Slide or unclip the cover to open the compartment.
3. Insert two (2) AAA 1.5V batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Replace the battery compartment cover securely.

The device is now ready for operation.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Powering On/Off

- To power on the device, press the **Power button** ().
- The device will automatically power off after a period of inactivity to conserve battery life.

### 4.2 Selecting Brake Fluid Type

The TESMEN TBF-300 supports DOT3, DOT4, and DOT5.1 brake fluid types. Use the dedicated buttons on the device to select the appropriate type for your vehicle.

### 4.3 Performing a Test

1. Ensure the device is powered on and the correct brake fluid type is selected.
2. Carefully remove the cap from the vehicle's brake fluid reservoir.
3. Insert the flexible gooseneck probe into the brake fluid, ensuring the metal probes are fully submerged.  
Avoid touching the sides of the reservoir.
4. The device will display the moisture content percentage.
5. After testing, remove the probe and clean it thoroughly (see Section 5.1). Replace the brake fluid reservoir cap securely.





**Figure 3:** A user demonstrating the 8.5-inch flexible gooseneck probe of the TESMEN TBF-300 tester, inserted into a vehicle's brake fluid reservoir for measurement. The image highlights the probe's flexibility, cleanliness, and anti-corrosion properties.



**Figure 4:** A detailed view of the highly sensitive metal probes at the tip of the TESMEN TBF-300 tester's gooseneck, designed for accurate brake fluid analysis.

#### 4.4 Interpreting Results

The display shows the percentage of water content in the brake fluid. General guidelines for interpretation are:

- **0% - 1% Moisture:** Brake fluid is in good condition.
- **2% Moisture:** Brake fluid is acceptable, but consider monitoring.
- **3% or More Moisture:** Brake fluid should be replaced immediately.



# DATA HOLD ON, EASY TO RECORD



**Short Press to Hold Current Data**

**Figure 5:** The TESMEN TBF-300 tester's display showing a brake fluid moisture content of 1.2% with the 'HOLD' function active, indicating a good fluid condition (2% good, 0% good). A short press of the H/C button holds the current data.

## 4.5 Data Hold Function

To hold the current reading on the display, press the **H/C button**. Press it again to release the hold and resume live readings.

## 4.6 Flashlight Function

The device includes an integrated flashlight for testing in low-light or dark environments.

- To activate the flashlight, press the **Lamp button**.

- Press the button again to turn off the flashlight.

# LAMP FUNCTION

Efficiently solves detection problems  
in dark conditions



**Figure 6:** The TESMEN TBF-300 tester's integrated lamp function is shown illuminating a dark engine compartment, demonstrating its utility for testing in low-light conditions.





**Figure 7:** This image illustrates various practical applications for the TESMEN TBF-300 brake fluid tester, including use in an underground garage, a car repair shop, a used car market, and during severe weather conditions, emphasizing its versatility.

## 5. MAINTENANCE

### 5.1 Cleaning the Probe

After each use, it is essential to clean the metal probe thoroughly to prevent contamination and ensure accurate future readings. Wipe the probe with a clean, dry cloth or paper towel. Do not use water or cleaning agents that could leave residue or damage the probe.

## 5.2 Storage

When not in use, store the TESMEN TBF-300 in its provided storage bag in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries if the device will not be used for an extended period to prevent leakage.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on	Low or dead batteries; Incorrect battery installation	Replace batteries with new AAA 1.5V batteries; Ensure batteries are installed with correct polarity.
Inaccurate readings	Probe not fully submerged; Probe is dirty; Incorrect fluid type selected	Ensure probe tips are fully immersed in brake fluid; Clean the probe thoroughly; Verify the correct DOT type is selected on the device.
Display is blank or flickering	Low battery power	Replace batteries.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	TBF-300
Supported Fluid Types	DOT3, DOT4, DOT5.1
Measurement Range	0% to 4% water content
Probe Length	8.5 inches (flexible gooseneck)
Power Source	2 x AAA 1.5V Batteries (included)
Product Dimensions (L x W x H)	33.99 x 4.5 x 2.79 cm (approximately 13.38 x 1.77 x 1.1 inches)
Product Weight	250 grams (approximately 0.55 lbs)
Special Features	Corrosion-resistant probe, Large display, Data hold, Flashlight function



## 8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided with

your purchase documentation or visit the official TESMEN website. Keep your proof of purchase for any warranty claims.

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## Related Documents - TBF-300

	<p><a href="#">Tesmen TBF-200 Brake Fluid Tester User Manual</a></p> <p>User manual for the Tesmen TBF-200 Brake Fluid Liquid Tester, providing instructions on operation, safety, technical specifications, and maintenance.</p>
	<p><a href="#">TESMEN TSM-599 Smart Digital Multimeter User Manual</a></p> <p>Comprehensive user manual for the TESMEN TSM-599 Smart Digital Multimeter, covering safety instructions, specifications, operation, measurement functions, and maintenance. Includes detailed guides for various electrical measurements.</p>
	<p><a href="#">Tesmen TBF-200 Brake Fluid Tester User Manual</a></p> <p>User manual for the Tesmen TBF-200 Brake Fluid Liquid Tester, providing instructions on operation, safety, technical specifications, and maintenance.</p>
	<p><a href="#">TESMEN TSM-599 Smart Digital Multimeter User Manual</a></p> <p>Comprehensive user manual for the TESMEN TSM-599 Smart Digital Multimeter, covering safety instructions, specifications, operation, measurement functions, and maintenance. Includes detailed guides for various electrical measurements.</p>





Gx Series  
User manual



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Model Gx Series

[HT Instruments Gx Series User Manual: Comprehensive Electrical Testing Guide](#)

This user manual provides detailed instructions and safety guidelines for the HT Instruments Gx Series electrical testing instruments, covering setup, operation, and technical specifications for various electrical measurements.

Fluid	Capacity (L)	Capacity (qt)	Part Number
Engine Oil	5.5	5.8	0000000000
Transmission	7.5	7.9	0000000000
Cooling	10.0	10.6	0000000000
Brake	1.5	1.6	0000000000
A/C	1.0	1.1	0000000000
Windshield Washer	1.0	1.1	0000000000

[Audi A6 S6 2016 Fluid Capacity Chart - Specifications and Capacities](#)

Detailed fluid capacity chart for 2016 Audi A6 and S6 models, including engine oil, transmission, cooling, brake, A/C, and windshield washer fluid specifications. Features part numbers and oil standards.