

TopDiag M300

TopDiag M300 Motorcycle Scanner Diagnostic Tool User Manual

Model: M300 | Brand: TopDiag

1. INTRODUCTION

The TopDiag M300 is a professional diagnostic tool designed for motorcycles. It offers comprehensive system diagnostics, battery testing, and a built-in printer for generating test reports. This manual provides detailed instructions for setting up, operating, and maintaining your M300 diagnostic tool.

2. WHAT'S IN THE BOX

Upon opening your TopDiag M300 package, you will find the following components:

- 1x M300 Motorcycle Diagnostic Tool
- Main Test Cable
- Power Clamp Supply / Battery Test Cable
- OBD-16P Connector
- Universal Jump Cable
- Various Motorcycle-Specific Adapter Cables (e.g., Honda, Ducati, Harley, BMW, Suzuki, Kawasaki, Kymco, Benelli)
- USB Cable
- Printer Paper Roll
- User Manual



Image: The TopDiag M300 diagnostic tool shown with its complete set of cables and accessories, neatly organized within its protective carrying case.

Video: An unboxing and overview of the TopDiag M300 Motorcycle Scanner, demonstrating the contents of the package and initial setup.

3. SETUP

3.1. Printer Paper Installation

1. Locate the printer cover on the side of the M300 device.
2. Gently flip open the printer cover.
3. Insert a roll of thermal printer paper into the compartment, ensuring the paper feeds correctly under the roller.
4. Pull a small length of paper out and close the cover securely.

3.2. Connecting to Your Motorcycle

The M300 tool includes a universal cable with 4-pin and 6-pin connectors, along with various brand-specific

adapters, to ensure compatibility with a wide range of motorcycle systems.

1. Identify the diagnostic port on your motorcycle. The location may vary by make and model.
2. Select the appropriate adapter cable for your motorcycle's brand and connect it to the M300's main test cable.
3. Connect the adapter cable to your motorcycle's diagnostic port.
4. Ensure all connections are secure before powering on the device.

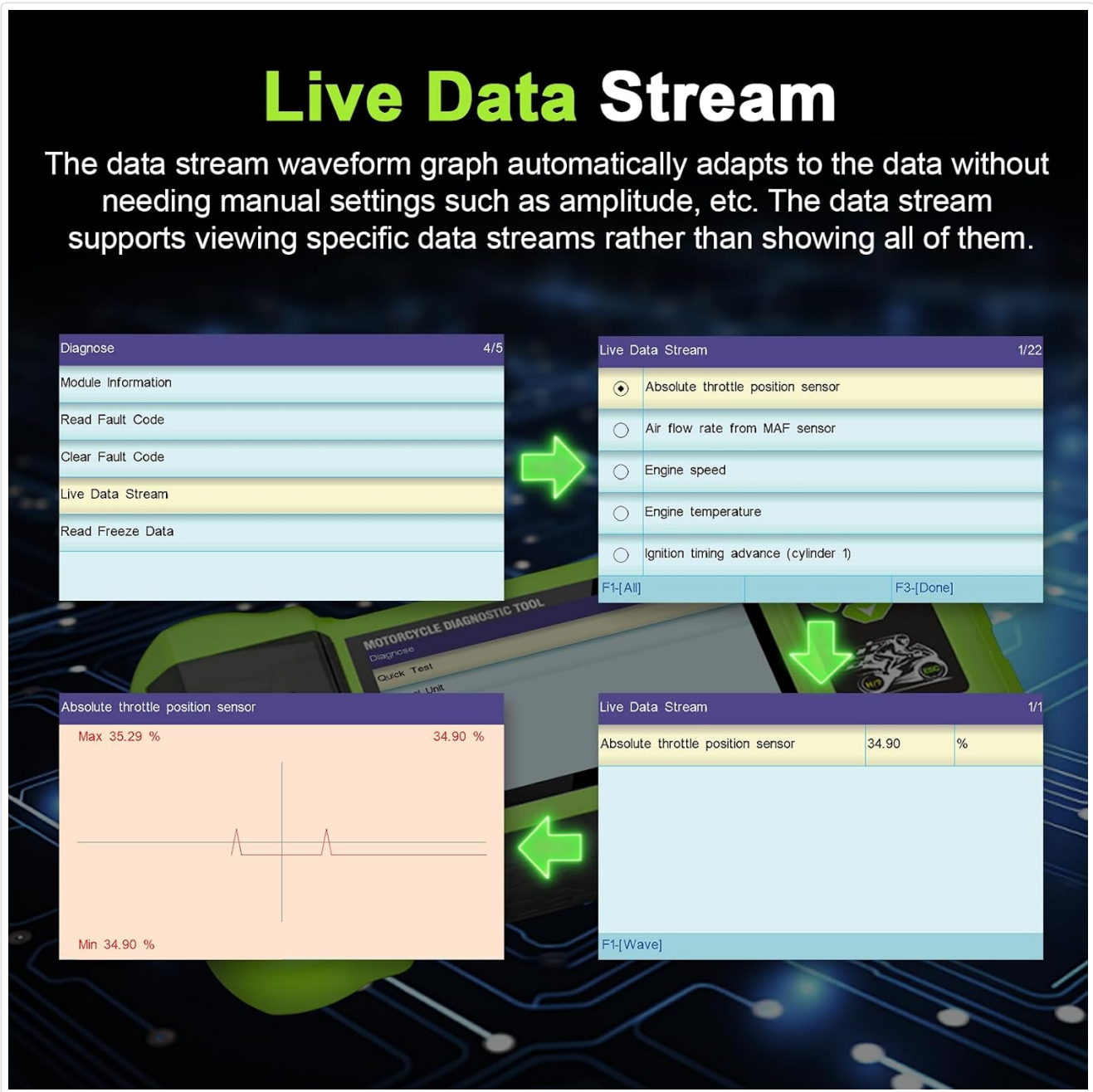


Image: The TopDiag M300 diagnostic tool connected to a motorcycle battery, illustrating the use of the power clamp supply and various adapter cables for different motorcycle models.

4. OPERATING INSTRUCTIONS

The TopDiag M300 offers a variety of diagnostic and testing functions. Navigate through the menu using the directional buttons and confirm selections with the 'OK' button.

4.1. Full System Diagnostics

The M300 can communicate with various motorcycle modules to perform factory service procedures. Key diagnostic

functions include:

- ABS system test
- Freezing data analysis
- Actuator testing
- DTC (Diagnostic Trouble Code) inquiry
- Troubleshooting guidance
- CO idle speed adjustment
- Adjusting the throttle valve position sensor (TPS)

4.2. Engine Check and Code Reading

The tool allows you to read and clear fault codes, effectively turning off the check engine light. This function provides insight into engine performance issues.



Support 70+ Motorcycle Brands

Model Selection 1/29

Supported Brands:

- ADIVA
- AEON
- APRILIA A
- ARCTIC CAT
- BAJAJ
- BENELLI
- BRP
- BRIXTON
- DUCA
- HARTFORO
- HONDA
- KAWASAKI
- HYOSUNG
- PGO
- Royal Enfield
- SUZUKI
- PIAGGIO
- TRIUMPH
- SYM
- VESPA

Image: A visual representation of the 'Check Engine' light on a motorcycle dashboard before and after using the TopDiag M300 to read and clear fault codes.

4.3. Battery Testing

Assess your motorcycle battery's health and performance with the integrated battery tester. Functions include:

- Voltage measurement
- Charging test
- Start test

These tests help identify battery-related problems early.

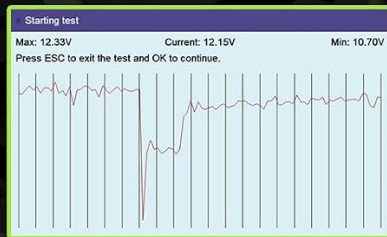


Image: The TopDiag M300 displaying various battery test results, including start detection, standard testing, and quick test, providing a comprehensive overview of battery health.

4.4. Live Data Stream

The M300 supports viewing specific live data streams, allowing for real-time monitoring of various sensors and components. The data stream waveform graph automatically adapts to the data without requiring manual settings.

Motorcycle Battery Test



Start detection

Standard test

Battery Life	100.00%(SOH)
Voltage	12.30V
Rated value	100CCA
Actual value	602CCA
Remaining battery	68%
Impedance	5.19mR

[F1]-ESC

Standard Testing

Quick test (battery)

Battery life	11.67%(SOH)
Voltage	19.48V
Rated Value	10GB
Actual Value	28CCA
Remaining power	100%
Impedance	98.59mR

[F1]-ESC

Quick test

Charging Test (Battery)

High charging voltage

Load Voltage	19.50V
No-load voltage	19.51V
Voltage fluctuation	0.02mV

[F1]-ESC

Charging test



Image: The TopDiag M300 screen showing a live data stream graph, illustrating real-time sensor readings and diagnostic information.

4.5. Print Function

The built-in printer allows for immediate generation of printed test reports. These reports document battery test results (voltage, CCA, SOC) and other diagnostic information for reference or sharing.

4.6. Wide Compatibility and Language Support

The M300 diagnostic tool supports a wide range of Asian, European, and American multi-brand motorcycles. It also supports 9 languages: English, Spanish, Thai, French, Vietnamese, Portuguese, Indonesian, German, and Turkic.

Support 9 Languages

English, Spanish, German, French, Turkish, Portuguese, Vietnamese, Indonesian, Thailand



Image: The TopDiag M300 screen showing the language selection interface, with flags representing the nine supported languages.

Video: A demonstration of the TopDiag M300 Motorcycle Scanner's diagnostic capabilities and its support for various mainstream motorcycle brands.

5. MAINTENANCE

5.1. Device Care

- Keep the device clean and free from dust and moisture.
- Store the device in its protective case when not in use.
- Avoid extreme temperatures; do not store in unheated spaces during winter.

5.2. Software Upgrade

The M300 offers free software upgrades to ensure compatibility with new models and features. To upgrade:

1. Connect the M300 device to a computer using the provided USB cable.

2. Wait for the computer to recognize the device. A new drive symbol will appear.
3. Open this drive and replace the existing “DIAGNOSE” folder with the downloaded “DIAGNOSE” upgrade folder.
4. Power on the device again to complete the upgrade.

6. TROUBLESHOOTING

If you encounter any issues with your TopDiag M300, please refer to the following general troubleshooting steps:

- **Connection Issues:** Ensure all cables are securely connected to both the M300 and the motorcycle's diagnostic port. Verify that the correct adapter cable is being used for your motorcycle model.
- **Power Issues:** Confirm the motorcycle battery has sufficient charge. The device draws power from the motorcycle.
- **Software Malfunctions:** If the device behaves unexpectedly, try performing a software upgrade as described in Section 5.2.
- **Error Messages:** Consult the user manual for specific error code definitions and recommended actions.

For persistent problems, please contact TopDiag customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	TopDiag
Power Source	Corded Electric
Product Dimensions (L x W x H)	9.84"L x 3.8"W x 7.2"H
Operating System	Android 11.0
Screen Size	5 Inches
UPC	794969059307

8. WARRANTY AND SUPPORT

The TopDiag M300 Motorcycle Scanner Diagnostic Tool comes with a **1-year manufacturer warranty**. For further assistance, technical support, or to explore other TopDiag products, please visit the [Official TopDiag Store](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question