

USER MANUAL

AUTEL[®]

MaxiTPMS

TBE200



Patent

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IMPORTANT

Before operating or maintaining this unit, please read this manual carefully, paying extra attention to the safety warnings and precautions.

For Services and Support



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For details, please refer to *Technical Support* in this manual.

Safety Information

For your own safety and the safety of others, and to prevent damage to the device and vehicles upon which it is used, it is important that the safety instructions presented throughout this manual be read and understood by all persons operating or coming into contact with the device.

There are various procedures, techniques, tools, and parts for servicing vehicles, as well as in the skill of the person doing the work. Because of the vast number of test applications and variations in the products that can be tested with this equipment, we cannot possibly anticipate or provide advice or safety messages to cover every circumstance. It is the automotive technician's responsibility to be knowledgeable of the system being tested. It is crucial to use proper service methods and test procedures. It is essential to perform tests in an appropriate and acceptable manner that does not endanger your safety, the safety of others in the work area, the device being used, or the vehicle being tested.

Before using the device, always refer to and follow the safety messages and applicable test procedures provided by the manufacturer of the vehicle or equipment being tested. Use the device only as described in this manual. Read, understand, and follow all safety messages and instructions in this manual.

Safety Messages

Safety messages are provided to help prevent personal injury and equipment damage. All safety messages are introduced by a signal word indicating the hazard level.

DANGER

Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury to the operator or to bystanders.

WARNING

Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury to the operator or to bystanders.

Safety Instructions

The safety messages herein cover situations Autel is aware of. Autel cannot know, evaluate or advise you of all possible hazards. You must be certain that any condition or service procedure encountered does not jeopardize your personal safety.

DANGER

When an engine is operating, keep the service area WELL VENTILATED or attach a building exhaust removal system to the engine exhaust system. Engines produce carbon monoxide, an odorless, poisonous gas that causes slower reaction time and can lead to serious personal injury or loss of life.

SAFETY WARNINGS

- Always perform automotive testing in a safe environment.
- Wear safety eye protection that meets ANSI standards.
- Keep clothing, hair, hands, tools, test equipment away from all moving or hot engine parts.
- Operate the vehicle in a well-ventilated work area, for exhaust gases are poisonous.
- Put the transmission in PARK (for automatic transmission) or NEUTRAL (for manual transmission) and make sure the parking brake is engaged.
- Put blocks in front of the drive wheels and never leave the vehicle unattended while testing.
- Be extra cautious when working around the ignition coil, distributor cap, ignition wires and spark plugs. These components create hazardous voltages when the engine is running.
- Keep a fire extinguisher suitable for gasoline, chemical, and electrical fires nearby.
- Do not connect or disconnect any test equipment while the ignition is on or the engine is running.
- Keep the test equipment dry, clean, free from oil, water or grease. Use a mild detergent on a clean cloth to clean the outside of the equipment as necessary.
- Do not drive the vehicle and operate the test equipment at the same time. Any distraction may cause an accident.

- Refer to the service manual for the vehicle being serviced and adhere to all diagnostic procedures and precautions. Failure to do so may result in personal injury or damage to the test equipment.
- To avoid damaging the test equipment or generating false data, make sure the vehicle battery is fully charged and the connection to the vehicle DLC is clean and secure.
- Do not place the test equipment on the distributor of the vehicle. Strong electro-magnetic interference can damage the equipment.

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1 Using This Manual

This manual contains device usage instructions.

Some illustrations shown in this manual may contain modules and optional equipment that are not included in your system. Contact your sales representative for availability of other modules and optional tools or accessories.

1.1 Conventions

The following conventions are used:

1.1.1 Bold Text

Bold text is used to highlight selectable items such as buttons and menu options.

Example:

Tap **OK**.

1.1.2 Notes and Important Messages

Notes

A **NOTE** provides helpful information such as additional explanations, tips, and comments.

Important

IMPORTANT indicates a situation that, if not avoided, may result in damage to the test equipment or vehicle.

1.1.3 Hyperlink

Hyperlinks or links that take you to other related articles, procedures, and illustrations are active in electronic documents. Blue italic text indicates a selectable hyperlink and blue underlined text indicates a website link or an email address link.

1.1.4 Illustrations

Illustrations used in this manual are examples; actual testing screens may vary for each vehicle being tested. Carefully observe the menu titles and on-screen instructions to make the right selections.

2 General Introduction

The Autel MaxiTPMS TBE200 Examiner (hereinafter referred to as 'the tool') is a laser-enabled tire & brake disc-wear examination tool that provides users with quick and accurate tire-wear measurements along with the ability to measure brake disc wear without having to remove tires. The tool's dual cameras enable users to document tire wear and damage as well as scan Tire Identification Numbers (TINs). You can use the tool on its own or with a compatible Autel diagnostics tablet, such as an ITS600/ITS600 Pro to view and print detailed TPMS reports.

This manual describes the construction and operation of the tool and how it works to test tire & brake disc wear.

2.1 MaxiTPMS TBE200 Examiner

2.1.1 Functional Description

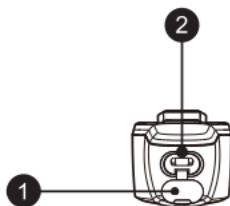


Figure 2-1 Examiner Top View

- ① Type-C USB Rubber Plug
- ② Type-C USB Port

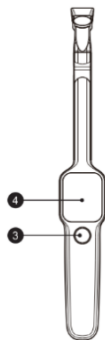


Figure 2-2 Examiner Front View

③ **Power/Measure** button — Press and hold this button for 3 seconds to power the tool on and off; select the desired application and press the button to take measurements.

④ 1.65-inch AMOLED Screen

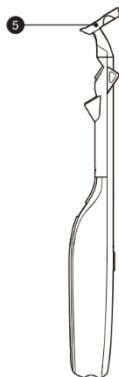


Figure 2-3 Examiner Side View

⑤ Magnetic Head

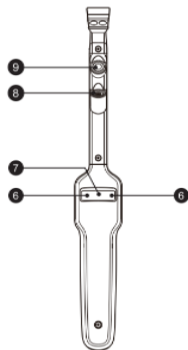


Figure 2-4 Examiner Back View

- ⑥ Camera Flash
- ⑦ 8-megapixel Camera
- ⑧ Laser Diode
- ⑨ 1-megapixel Camera

2.1.2 Power Sources

The tool can receive power from any of the following sources:

- Internal Battery Pack
- AC/DC Power Supply

Internal Battery Pack


The tool can be powered by its internal rechargeable battery, which theoretically, when fully charged can provide sufficient power for about 8 hours of continuous operation.

AC/DC Power Supply

The tool can be powered from a wall socket using its AC/DC power supply. The AC/DC power supply also charges the tool's internal battery.

2.1.3 Technical Specifications

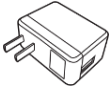

Table 2-1 Technical Specifications

Item	Description
Product Name	Tire & Brake Disc Examiner
Laser Classification	Class 3R Laser Product IEC 60825-1:2014
Wave Length At Peak Emission	520 nm
Labelling	<p>AUTEL® Tire&Brake Disc Examiner MaxiTPMS TBE200 PSN: TB2GL8C01001 R-C-WQ2-TBE200 210-158714 FCC ID: WQ8TBE200 RoHS Rate: 5V=1.5A Made in Vietnam CE UK CA</p> 
Processor	4 x ARM Cortex-A35 (1.5 GHz)
Memory	1 GB RAM LPDDR3 & 4GB On-board Memory

Item	Description
Display	1.65-inch AMOLED touchscreen with 348 x 442 pixel resolution
Connectivity	<ul style="list-style-type: none"> ● Wi-Fi ● Type-C USB
Micro-cameras	CMOS, 1 megapixel & 8 megapixel
Audio Output	Beep with vibration
Battery	3.7 V/3000 mAh 18650 lithium-ion battery
Tested Battery Life	Around 8 hours of continuous use on one single charge
Battery Charging Input	5 V/1.5 A
Power Consumption	300 mA (AMOLED on with default brightness) @3.7 V
Operating Temp.	-10 to 50°C (14 to 122°F)
Storage Temp.	-20 to 60°C (-4 to 140°F)
Dimensions (W x H x D)	283.0 mm (11.14") x 39.0 mm (1.54") x 33.5 mm (1.32")
Net Weight	188 g (0.41 lb.)

2.2 Other Accessories

Table 2-2 Accessories

	<p>Power Adapter</p> <p>Used with USB cable to power and charge the tool via electrical outlet.</p>
	<p>Type-C USB Cable</p> <p>Connect between the power adapter and the tool for powering and charging.</p>

3 Getting Started

Ensure the tool is connected to the Internet and is sufficiently charged (See [Power Sources](#)). The product should avoid the exposure of direct light, such as sunlight, or close-ranged torch light, and flashlight, during the actual operation of tire tread check, brake disc check, and calibration.

3.1 Power Up

Press and hold the power button on the tool to switch it on. The system will boot up and display the TBE200 Job Menu.

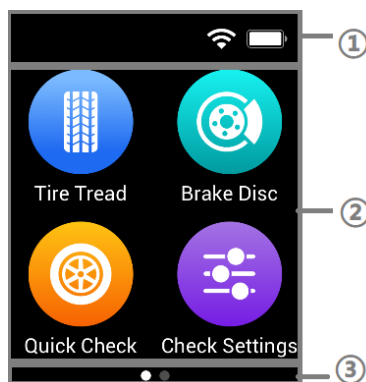


Figure 3-1 TBE200 Job Menu

- ① System Status Icons
- ② Application Buttons
- ③ Locator








3.1.1 System Status Icons

As the MaxiTPMS TBE200 runs on the Linux operating system, you may refer to Linux documents for additional information.

3.1.2 Application Buttons

The table below briefly describes each of the applications on the TBE200.

Table 3-1 Application Buttons

Button	Name	Description
	Tire Tread	Accesses the tool's tire-tread check function. See Tire Tread Check on page 12 for details.
	Brake Disc	Launches the brake disc wear measurement function. See Brake Disc Check on page 15 for details.
	Quick Check	Allows you to perform a quick check to measure tire-tread depth & brake disc wear measurements. See Quick Check on page 18 for details.
	Check Settings	Adjusts settings for check sessions. See Check Settings on page 21 for details.
	Data Query	Displays data from previous measurements and generates reports. See Data Query on page 23 for details.
	Sys. Calibration	Calibrates the measurement system. See System Calibration on page 28 for details.
	Settings	Accesses the Settings menu. See Settings on page 29 for details.

3.1.3 Locator

The **Locator** icon displays at the bottom of the TBE200 Jobs screen. Swipe the screen left or right to view the previous or next screen.

4 Tire Tread Check

Using laser technology, the **Tire Tread** application analyzes the wear of the tires on vehicles with no need to remove the tires. Place the tool on the tire, and the tool projects a laser beam. The wear measurement is then sent to the display screen with an accuracy within 0.1mm. Measurements are also displayed graphically.

The Tire Tread application provides two types of checks: **All Tread Check Mode** and **Single Check Mode**. When using this application, a message will display prompting user to choose between the current mode the alternative one. You can configure your default check mode under Check Settings. Refer to [Check Settings](#) on page 21 for additional information.

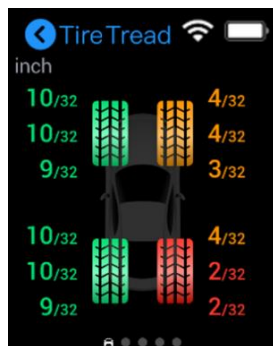






Figure 4-1 Sample Tire Tread Check Screen

Degrees of tire wear are represented by different colors as displayed below:

Table 4-1 Possible Results for Measurements

Icon	Results	Description
 (Gray)	Unchecked.	The tire is unchecked.
 (Green)	Normal.	Please check regularly.

Icon	Results	Description
 (Yellow)	Warning: wear level is approaching critical value.	Recommend replacing.
 (Red)	Danger: Severe tire wear.	Replace immediately.

4.1 Check modes

There are two check modes available under the Tire Tread application:

Single Check Mode

The **Single Check Mode** measures the wear of each tire on the vehicle by examining the tread depth in the center area of the tire only. Unlike the **All Tread Check Mode**, the **Single Check Mode** only provides one measurement for each tire.

All Tread Check Mode

The **All Tread Check Mode** examines your tire wear in three separate areas (outer, center, and inner) for a more comprehensive analysis.

➤ To perform a Tire Tread Check

1. Tap the **Tire Tread** application on the Main Job Menu.
2. Select a check mode when prompted.
3. Place the tool on the tire surface and tap the **Power/Measure** button to start measuring.
4. The measurement will display on the screen.
5. Select a tire location on the screen, swipe left to view details and scroll down on the details screen to view additional information including tread wear analysis and maintenance suggestions.

NOTE

For optimal measurements, ensure the magnetic head is attached to the tread and that the laser line is perpendicular to the groove being measured.

4.2 Details

The **Details** screen shows a wide variety of tire wear information. After measurements are shown on the screen, select a tire location, swipe left to view details of the chosen tire. Below are the main sections featured in the **Details** section:

- **Graphic measurements** — shows the measurement data graphically with various colors indicating different degrees of tire wear.

The graphic measurements of the **All Tread Check Mode** displays the wear measurements of three areas of the tire: inner, center, and outer. The **Single Check Mode** displays only one measurement for each tire.

- **Braking distance** — displays the stopping distance for the test vehicle based on both the tire tread depth and tire type selected. This section is followed by wear analysis and maintenance suggestions.

The following three tire-related sections are provided in all check modes except for **Brake Disc**:

- **Tire condition** — displays tire status, including normal, worn, bulge, etc.
- **Tire DOT** — scan or manually enter the tire DOT serial number located on the sidewall to acquire basic tire characteristics such as tire recall (American region only) and tire age.
- **Tire specification** — view a series of options and manually enter tire information, including brand, tire model, size, structure type code, etc.

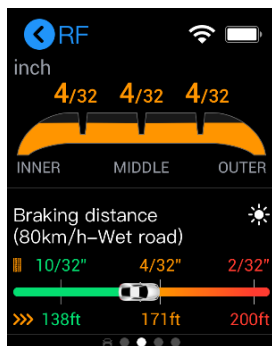


Figure 4-2 Sample Details Screen

5 Brake Disc Check

Your MaxiTPMS TBE200 laser-enabled tool examines brake disc wear quickly and accurately. You can examine the wear status of a brake disc without the need to remove tires. Measurements displayed graphically. The Brake Disc function not only provides brake disc wear measurements, but also offers analysis to ensure driving safety.

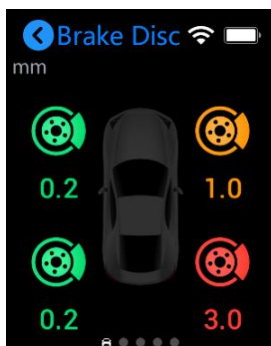






Figure 5-1 Sample Brake Disc Check Screen

Wear status is represented graphically in the colors displayed below.

Table 5-1 Possible Results for Measurements

Icon	Results
 (Gray)	Unchecked.
 (Green)	Normal.
 (Yellow)	Replacement recommended.
 (Red)	Replace immediately.

5.1 Check mode

Brake Disc Check

The **Brake Disc** function checks for brake disc wear and provides wear analysis. This check mode focuses on brake disc measurements only.

➤ **To perform a Brake Disc Check**

1. Tap the **Brake Disc** application on the Main Job Menu.
2. Place the tool on the disc surface and press the **Power/Measure** button to start measuring.
3. Real-time measurement data will display on the screen with wear status represented by different colors.
4. Select a disc location on the screen, swipe left to view details, and scroll down the screen to view wear analysis.

5.2 Details

The **Details** screen shows information regarding brake disc wear. After measurements are shown on the screen, select a disc location, swipe left to view details of the chosen disc. Below are the main sections featured in the **Details** section:

- **Graphic measurements** — displays the measurements data graphically with by color to indicate disc wear conditions.
- **Wear analysis** — displays service recommendations for disc replacement.

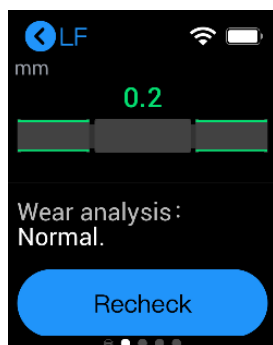


Figure 5-2 Sample Details Screen

6 Quick Check

The **Quick Check** function is specifically designed to measure the tires and brake discs in one session. This mode also provides a comprehensive analysis of tire and brake disc wear.

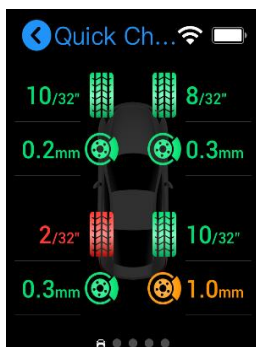










Figure 6-1 Sample Quick Check Screen

Degree of wear status is illustrated by the colors below.

Table 6-1 Possible Results for Measurements

Tire Tread Icon	Brake Disc Icon	Results	Recommendation
 (Gray)		Unchecked.	Tire not checked.
 (Green)		Normal.	Please check regularly.
 (Yellow)		Warning: significant wear detected.	Replacement recommended

Tire Tread Icon	Brake Disc Icon	Results	Recommendation
 (Red)		Danger: severe wear detected.	Replace immediately.

6.1 Check mode

Quick Check

The Quick Check function combines the measuring of the tread depth and brake disc wear.

➤ To perform a Quick Check

1. Tap the **Quick Check** application on the Main Job Menu.
2. Place the tool first on the tire surface, and then on the disc surface, pressing the **Power/Measure** button to take measurements for each.
3. Real-time measurement data will appear on the screen with wear status illustrated in different colors.
4. Select a tire or disc location on the screen, swipe left to view details, and scroll down to view additional information including wear analysis and maintenance suggestions.

6.2 Details

The **Details** screen displays additional information related to tire and brake disc wear measurements. After measurements display on the screen, select a tire or disc location, and swipe left to view details of the chosen tire or disc. Below are the main tire-related sections featured in the **Details** section:

- Graphic Measurements — displays the measurement data graphically with various colors indicating different wear conditions.
- The graphic measurements of **Quick Check** displays wear measurements of tires and brake discs.

- **Braking distance** — displays the stopping distance for the vehicle graphically based on the tire tread depth and tire type. This section is also followed by tire wear analysis and maintenance suggestions.
- **Tire condition** — displays tire status, including normal, worn, bulge, etc.
- **Tire DOT** — scan or manually enter the tire DOT serial number located on the sidewall to acquire basic tire characteristics such as tire recall (American region only) and tire age.
- **Tire specification** — view a series of options and manually enter tire information, including brand, tire model, size, structure type code, etc.
- **Wear analysis** — displays replacement recommendations for tires and brake discs.

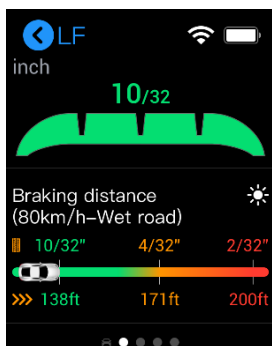


Figure 6-2 Sample Details Screen

7 Check Settings

Tap the **Check Settings** application on the Main Job Menu, a list of options will display. Adjust these tire-related settings to your preference for optimal **All Tread Check Mode** and **Single Check Mode** results.

7.1 Number of tires

The default tire number is four. If the vehicle has six tires, make sure to adjust the **Number of tires** to six before measuring tire tread depth.

7.2 Unit

This option allows you to adjust the measurement units for the tire tread checks. Simply select the appropriate measurement unit, metric or imperial. A check mark will display to the right of the active selection.

7.3 Tire Type

The Tire Type setting is to choose the right type of tire for the vehicle. Three tire types are available, Summer, Winter, and All Season. Select a tire type. A check mark will display to the left of the active selection.

Right beneath each tire option is the tire wear limit with the default value of 1.6–3.2 mm. Tap the arrow icon at the lower-right corner of the tire option bar to change the tread wear limit.

NOTE

When 1.6 mm is left on the tread, it indicates the tire should be replaced immediately. When 3.2 mm is left on the tread, it indicates tire replacement is recommended.

7.4 Tread Check Mode

This option allows you to choose between **Single Check Mode** and **All Tread Check Mode** before initiating a tread check measurement. After choosing the check mode, a check mark will display to the right of the active selection.

7.5 Brake Disc Wear Limit

This option enables you to adjust the brake disc wear limit for brake disc checks. Note that the disc wear limit is always in metric units.

8 Data Query

The **Data Query** function stores the results of the latest measurement session, allows you to generate a QR code for the measurement report, and stores the report generating records.

The TBE200 can also connect with the ITS600 series tablets and the measurements of the latest session will display on the tablet screen automatically.

NOTE

- To use the Generate Report and Report Query functions, you need to update the TBE200 device software to V01.19.00 or later. For update details, see [Update](#) on page 30.
 - To use the Generate Report function, the device needs to be connected to the network.
-

8.1 Last Test

The Last Test function allows you to view the measurement results of the previous session and generate a QR code for the results. You can use mobile device to scan the QR code and download the result report.

➤ To generate and download the measurement result report

1. Perform a tire tread check or brake disc check by referring to [Tire Tread Check](#) or [Brake Disc Check](#).
2. Tap **Data Query > Last Test** to view the latest measurement result.
3. Scroll up and tap **Generate Report**. The Generating Report screen appears.

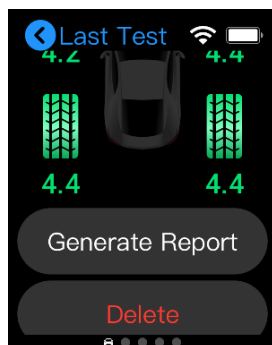


Figure 8-1 Sample Generating Report Screen

4. On the Generating Report screen, select or enter the vehicle information to associate the vehicle with the measurement data, and tap **Next** to generate a QR code.

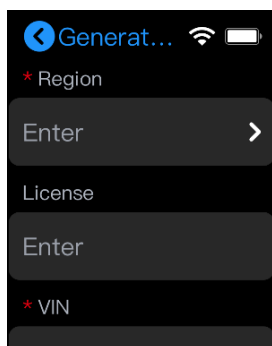


Figure 8-2 Sample Last Test Screen

5. After the QR code is successfully generated, tap **Check**.
6. Use your mobile device to scan the QR code and download the report.



Figure 8-3 Sample QR code

TIRE TREAD DEPTH & BRAKE DISC WEAR TEST REPORT

Report Information

Report Time (MM-DD-YYYY): 12-18-2021 04:04:30
Device/Version: TBE200/V01.19.01



Scan to download PDF

Vehicle Information

License: DHUJHJM
VIN: .

Make/Model/Year: Acura / Core Motivity / 2005
Odometer: --

Check Settings

Check mode: Single Tread Check

Tire type: Summer tire

Vehicle Status & Repair Tips	
	<p>Example: FWD Rotation</p> <p>Tire status: LF RF RR LR tire(s) normal Brake disc status: -- Tips: Tires should be rotated every six months or 9600 to 12800 km or as specified by the manufacturer.</p>
	<p>Braking distance: 49 m Note: The braking distance is evaluated when most worn tires fitted to all positions on a vehicle travelling at 80 km/h on wet road.</p>














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Figure 8-4 Sample Test Report 1

LF		RF	
 OUTSIDE INSIDE	Brand: -- Specification: -- DOT: -- (Tire age: --)	 INSIDE OUTSIDE	Brand: -- Specification: -- DOT: -- (Tire age: --)
Status: --		Status: --	
  Unchecked		  Unchecked	
Recall Notice: No recall detected.		Recall Notice: No recall detected.	
Repair Tips: Check tire regularly.		Repair Tips: Check tire regularly.	
LR		RR	
 OUTSIDE INSIDE	Brand: -- Specification: -- DOT: -- (Tire age: --)	 INSIDE OUTSIDE	Brand: -- Specification: -- DOT: -- (Tire age: --)
Status: --		Status: --	
  Unchecked		  Unchecked	
Recall Notice: No recall detected.		Recall Notice: No recall detected.	
Repair Tips: Check tire regularly.		Repair Tips: Check tire regularly.	
Tire Photos			
 No photo			

Gray: unchecked; Green: normal; Yellow: alert, replacement recommended; Red: abnormal, replace immediately.

Figure 8-5 Sample Test Report 2

8.2 Report Query

The Report Query function displays generating records of measurement reports, including Upload complete (successful records) and Upload incomplete (failed records). A maximum of 10 records of each type can be saved.

➤ **To view generating records of measurement results**

1. Tap **Data Query > Report Query** to view the latest measurement result.

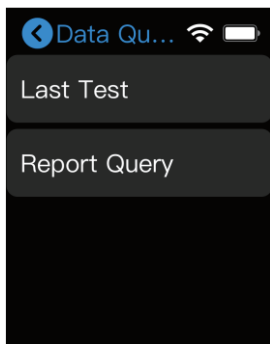


Figure 8-6 Data Query Screen

2. Tap a successful record to view its corresponding QR code; Or
3. Tap a failed record to view the original test data. You can tap **Regenerate Report** to generate the QR code.

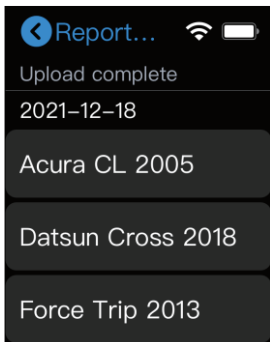


Figure 8-7 Sample Report Query Screen

9 System Calibration

The **System Calibration** application is used to calibrate your examination tool for optimal measuring results.

On the Main Job Menu, tap the **Sys. Calibration** icon and place the magnetic head on the calibration table. Press the **Power/Measure** button to start. Wait for 1–2 minutes until calibration is complete.

Calibration is recommended every two months. Immediate calibration should be performed when deviations are detected or when the tool is dropped or mishandled in any manner.

! IMPORTANT

Before the system calibration, keep the magnetic head dry and clean from dirt, dust, water stain, or oil, which may affect the calibration result.

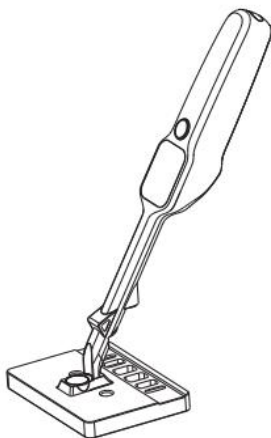


Figure 9-1 System Calibration

10 Settings

Access the **Settings** menu to adjust default settings and view information about the TBE200. The Settings menu includes the following:

10.1 Network connection

This option is for connecting the tool to the Internet. There are two network types available: Wi-Fi and Wi-Fi Direct. Simply swipe the toggle to turn it on.

NOTE

Ensure you turn on both the Wi-Fi and Wi-Fi Direct toggles when pairing the tool with the ITS600/ITS600 Pro tablet for comprehensive inspection reports.

10.2 Brightness

This option allows you to adjust the screen brightness manually. Tap on the brightness icon on the right to brighten the screen and tap the icon on the left to dim the screen.

10.3 Sleep

This option allows you to set the amount of time before your tool goes into “sleep/low-power mode” to conserve battery life. There are three options available for selection (30, 60, and 120 seconds).

10.4 Automatic shutdown

This option allows you to adjust the time (in minutes) before your tool automatically powers off. There are four options available for selection (5, 10, 15, and 20 minutes). After adjusting this setting, a check mark will display to the right of the active selection.

10.5 Language and region

This option allows you to adjust the region for the TBE200. There are 19 regions available. Select the region where you will be using the device. A check mark will display to the right of the selected region.

10.6 About

The About function provides information about the tool, including the manufacturer, model name, serial number, password, firmware version and Wi-Fi MAC.

10.7 Update

The update option displays the latest software updates available for the tool. Before updating the software, ensure the tool's network connection is stable. When a software update is available, a red dot will display atop the **Settings** icon in the upper right corner of the Main Job Menu. Tap **Update** to install the software.

NOTE

When updating the software, ensure the tool is connected to the Internet and that its battery is charged to at least 50 percent or is connected to a power outlet.

10.8 Restore factory settings

Restore Factory settings enables you to restore your examination tool to its original factory settings. Once restored, all personal data will be deleted, the wear limit data adjusted, and the initial setup instructions displayed when first used will display.

10.9 Resume animation guide

This option restores animation guides for performing the tire tread check, brake disc check, and system calibration. When **Recovery succeeded** is displayed, the animation guides are provided on the corresponding screens.

11 Maintenance and Service

To ensure that the examination tool performs at its optimum level, we advise that the product maintenance instructions in this section are strictly followed.

11.1 Maintenance Instructions

The following shows how to maintain your tool, together with precautions you should take:

- Use a soft cloth and alcohol or a mild window cleaner to clean the touch screen of the tool.
- Do not use any abrasive cleansers, detergents, or automotive chemicals on the tool.
- Keep the tool in dry conditions and within specified operating temperatures.
- Dry your hands before using the tool. The touch screen may not work if the touch screen is moist, or if you tap the touch screen with wet hands.
- Do not store the tool in humid, dusty or dirty areas.
- Check the housing, wiring, and connectors for dirt and damage before and after each use.
- Do not attempt to disassemble the tool.
- Do not drop or cause severe impact to the tool.
- Use only authorized battery chargers and accessories. Any malfunction or damage caused by the use of unauthorized battery chargers and accessories will void the product warranty.
- Ensure that the battery charger does not come in contact with conductive objects.
- Do not use the tool beside microwave ovens, cordless phones and some medical or scientific instruments to prevent signal interference.

11.2 Troubleshooting Checklist

- A. When the tool does not work properly:
- Make sure the tool has been registered online.
 - Make sure the system software and diagnostic application software are properly updated.
 - Make sure the tool is connected to the Internet.
 - Check all cables, connections, and indicators to see if the signal is being received.
- B. When you cannot turn on the tool:
- Make sure the tool is connected to a power source or the battery is charged.
- C. When you are unable to charge the tool:
- Your charger maybe out of order. Contact your nearest dealer.
 - You may be attempting to use the tool in an overly hot/cold environment. Charge the tool in moderate temperatures.
 - Your tool may have not been connected to the charger properly. Check the connector.



NOTE

If the problems persist, please contact Autel's technical support personnel or your local selling agent.

12 Service Procedures

This section introduces information for technical support, repair service, and application for replacement or optional parts.

12.1 Technical Support

If you have any question or problem on product operations, please contact us.

Autel China Headquarters

- **Phone:** +86 (0755) 8614-7779 (Monday-Friday, 9AM-6PM Beijing Time)
- **Email:** supporttpps@auteltech.com
- **Address:** Floor 2, Caihong Keji Building, 36 Hi-tech North Six Road, Songpingshan Community, Xili Sub-district, Nanshan District, Shenzhen City, China
- **Web:** www.autel.com, www.maxitpps.com

Autel North America

- **Phone:** 1-855-288-3587 (Monday-Friday, 9AM-6PM Eastern Time)
- **Email:** ussupport@autel.com
- **Address:** 36 Harbor Park Drive, Port Washington, New York, USA 11050
- **Web:** www.autel.com/us

Autel Europe

- **Phone:** +49(0)89 540299608 (Monday-Friday, 9AM-6PM Berlin Time)
 - **Email:** support.eu@autel.com
 - **Address:** Landsberger Str. 408, 81241 München, Germany
 - **Web:** www.autel.eu
-

Autel APAC	Japan:	
	● Phone: +81-045-548-6282	
	● Email: support.jp@autel.com	
	● Address: 6 th Floor, Ari-nadoribiru 3-7-7, Shinyokohama, Kohoku-ku, Yokohama-shi, Kanagawa-ken, 222-0033 Japan	
	● Web: www.autel.com/jp	
	Australia:	
	● Email: ausupport@autel.com	
	● Address: Unit 5, 25 Veronica Street, Capalaba	
Autel IMEA	● Phone: +971 585 002709 (in UAE)	
	● Email: imea-support@autel.com	
	● Address: 906-17, Preatoni Tower (Cluster L), Jumeirah Lakes Tower, DMCC, Dubai, UAE	
	● Web: www.autel.com	
Autel Latin America	Mexico:	
	● Phone: +52 33 1001 7880 (Spanish in Mexico)	
	● Email: latsupport@autel.com	
	● Address: Avenida Americas 1905, 6B, Colonia Aldrete, Guadalajara, Jalisco, Mexico	
	Brazil:	
	● Email: brsupport@autel.com	
	● Address: Avenida José de Souza Campos n° 900, sala 32 Nova Campinas Campinas – SP, Brazil	
	● Web: www.autel.com/br	

12.2 Repair Service

If it becomes necessary to return your device for repair, please contact us first and then download a Repair Service Form from www.autel.com and www.maxitpms.com, and fill it in. The following information must be included:

- Contact name
- Return address
- Telephone number
- Product name
- Complete description of the problem
- Proof-of-purchase for repairs under warranty
- Preferred method of payment for non-warranty repairs



NOTE

For non-warranty repairs, payment can be made with Visa, Master Card, or with approved credit terms.

Send the device to your local agent or to the following address:

Floor 2, Caihong Keji Building, 36 Hi-tech North Six Road, Songpingshan Community, Xili Sub-district, Nanshan District, Shenzhen City, China

12.3 Other Services

You can purchase optional accessories directly from Autel authorized tool suppliers, and/or your local distributor or sales agent.

Your purchase order should include the following information:

- Your contact information
- Product or part name
- Item description
- Purchase quantity

13 Compliance Information

13.1 FCC Compliance

FCC ID: WQ8TBE200

This device complies with Part 15 of the FCC rules and Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

– Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

13.2 SAR

The radiated output power of this device is below the FCC radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact is minimized during normal operation.

The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/Kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands.

Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. To avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to antenna should be minimized.

13.3 RF Warning Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

13.4 RoHS Compliance

This device is declared to be in compliance with the European RoHS Directive 2011/65/EU.

13.5 CE Compliance

This product is declared to conform to the essential requirements of the following Directives and carries the CE mark accordingly:

EMC Directive 2014/30/EU

R&TTE Directive 1999/5/EC

Low Voltage Directive 2014/35/EU

13.6 MIC Compliance



R 210-158714

13.7 KC Compliance



R-C-WQ2-TBE200

14 Warranty

Limited One Year Warranty

Autel Intelligent Technology Corp., Ltd. (the Company) warrants to the original retail purchaser of this MaxiTPMS Tire & Brake Disc Examiner that should this product or any part thereof during normal usage and under normal conditions be proven defective in material or workmanship that results in product failure within one year period from the date of purchase, such defect(s) will be repaired, or replaced (with new or rebuilt parts) with Proof of Purchase, at the Company's option, without charge for parts or labor directly related to the defect(s).

The Company shall not be liable for any incidental or consequential damages arising from the use, misuse, or mounting of the device. Some states do not allow limitation on how long an implied warranty lasts, so the above limitations may not apply to you.

This warranty does not apply to:

- 1) Products subjected to abnormal use or conditions, accident, mishandling, neglect, unauthorized alteration, misuse, improper installation or repair or improper storage;
- 2) Products whose mechanical serial number or electronic serial number has been removed, altered or defaced;
- 3) Damage from exposure to excessive temperatures or extreme environmental conditions;
- 4) Damage resulting from connection to, or use of any accessory or other product not approved or authorized by the Company;
- 5) Defects in appearance, cosmetic, decorative or structural items such as framing and non-operative parts.
- 6) Products damaged from external causes such as fire, dirt, sand, battery leakage, blown fuse, theft or improper usage of any electrical source.

! IMPORTANT

All contents of the product may be deleted during the process of repair. You should create a back-up copy of any contents of your product before delivering the product for warranty service.

