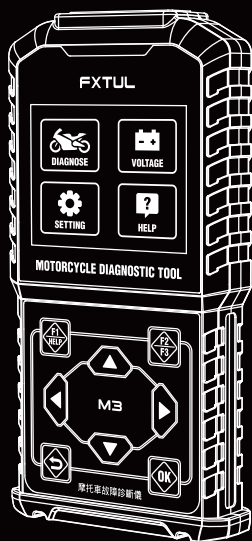


FXTUL

USER MANUAL



摩托車故障診斷儀

M3

MOTORCYCLE DIAGNOSTIC TOOL

FXTUL

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   RoHS MADE IN CHINA



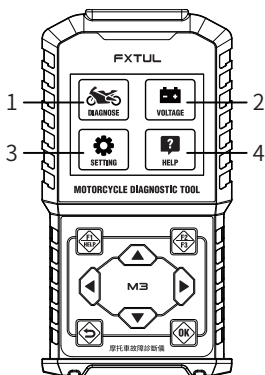
TABLE OF CONTENTS

Product Overview	2
Product Picture	2
Functions	2
Button instructions	2
Diagnose	2
System diagnosis features	2
Functions	3
Operation Guideline	3
Brand model selection	3
Mode selection	3
Quick test	4
Single system diagnosis	5
Module information	6
Read fault code	6
Clear fault code	7
Real-time data stream	7
Read freeze frame data	8
Actuation test	8
Voltage detection	9
Settings	9
Help	10
About Software Upgrades	11
Warranty	11

PRODUCT OVERVIEW

FXTUL M3 is a handheld motorcycle diagnostic tool for mainstream motorcycle brands and can help technicians diagnose problems faster and make repairs. This tool has functions such as voltage detection, multi-language selection, and unit switching. It has a clear interface and is easy to operate. It is a good helper for motorcycle maintenance.

PRODUCT PICTURE



Functions:

1. Diagnose	2. Voltage Detection
3. Settings	4. Help

Button Instructions:

- Short press to select [F1]
- Long press to select [HELP]
- Short press to select [F2]
- Long press to select [F3]
- [◀▶▲▼] Left/Right/Up/Down
- [↩] Back
- [OK] Confirm

DIAGNOSE

System Diagnosis Features

- Supports scanning, identification and code reading of all systems of the current model, and reports the assembly status of all systems and whether there are fault codes for each system.
- Support to browse the assembly status and fault code

description of all systems of the vehicle model.

- Support one-click code clearing of all systems.
- Display data stream with oscillogram.

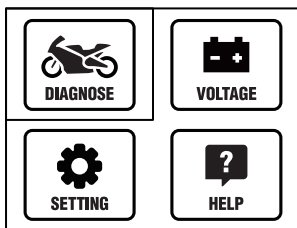
Functions

- Support engine / ABS / Tire pressure / Anti-theft and other systems
- Read system information
- Read fault code
- Clear fault code
- Read data stream
- Read freeze frame data
- Actuator test
- Service function (including idle speed regulation / throttle position learning, etc.)

OPERATION GUIDELINE

Brand Model Selection

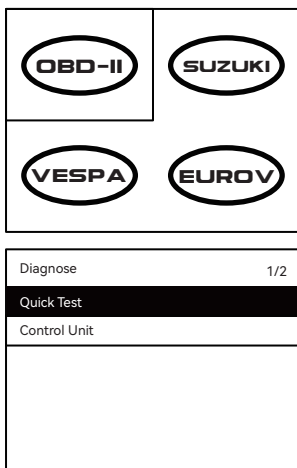
- Press the [◀▶ ▲▼] key to select the diagnostic icon, and press the [OK] key to select the model brand.



Mode Selection

- Press [◀▶ ▲▼] to select the vehicle brand, and press [OK] to enter the diagnosis mode selection. There are

two options: [Quick Test] and [Control Unit] (the screen is shown below).



Quick Test

- [Quick Test] is to automatically scan the assembly status of all systems of the vehicle model and read the fault codes. During the system scanning process, you can press and hold [F3] to pause the scanning (the screen is shown below).

Quick Test		6/6
[ECM](Engine Control Module)	Pass	
[ABS](Anti-lock Brake System)	Fault 1 (2)	
[BODY](Body Computer)	Pass	
[IP](Instrument Cluster)	Fault 1 (6)	
[IMMO](Immobilizer)	Scanning (71%)	
F1-[Report]	F2-[Quick]	F3-[Pause]

[F1] – [Report]

- Display the assembly status of the system, explain whether there is a fault code, and expand the fault code description (the screen is shown below).

Report	1/34
[ABS](Anti-lock Brake System) Fault 1 (2)	
480860	
None	
This fault code is set when the voltage present at the control unit is <9.2V	
480862	
F1-[Esc]	

[F2] – One-click code clearing

- For systems that have been assembled and have fault codes, all codes shall be cleared and the fault codes shall be read again.

Single System Diagnosis

- Customers independently choose the functions to be performed (the screen is shown below).

Diagnose	1/7
Modult Information	
Read Fault Code	
Clear Fault Code	
Live Data Stream	
Read Freeze Data	
Actuation Test	

Diagnose	7/7
Service / Maintenance	

Module Information

- [Module Information] will display system information, such as production date, serial number and other information (the screen is shown below).

Module Information		1/3
Calibration ID number	00000096	
Calibration ID	ZSEFI_01	
VIN	CGJFZS150ZH _19D_1	
F1-[Esc]		

Read Fault Code

- [Read Fault Code] (the screen is shown below).

Read Fault Code		1/2
Read Fault Code	(CURRENT)	
Read Fault Code	(PENDING)	

- (Note: manual selection of [Current / Pending] is not

required for some vehicles.)

- Press the [▲▼] button to select one of them, press the [OK] key to view the fault code information in the system, (the screen is shown below).

Read Fault Code		1/8
Code: P0122		
State: None		
Throttle Position (Sensor A) Circuit Low Input		
F1-[Help]		F3-[Freeze]

- Press the [◀▶] key to switch the fault codes.

Clear Fault Code

- [Clear Fault Code], the screen will show the relevant prompts for code clearing (the screen is shown below).

Operator Message		
Fault code and freeze information will be erased. Are you sure to continue?		
F1-[OK]		F3-[Cancel]

- Press [F1] to perform code clearing.

Real-time Data Stream

- Press the [▲▼] key to select [Real-time Data Stream] to enter the data stream selection interface. You can press [F1] to select all or press the [OK] key to select the specified data stream (the screen is shown below).

Live Data Stream		1/7
◇	Engine speed	
◇	Engine temperature	
◇	Ignition timing advance (cylinder 1)	
◇	Intake air temperature	
◇	Manifold pressure (absolute)	
F1-[All]		F3-[Done]

Read Freeze Frame Data

- Press the [▲▼] key to select [Read Freeze Frame Data] to read the freeze frame information (the screen is shown below).

Read Freeze Data		1/4
Engine speed	0.00	rpm
Engine temperature	80	deg C
Fault code	P0122	
Intake air temperature	25	deg C
F1-[Esc]		

Actuation Test

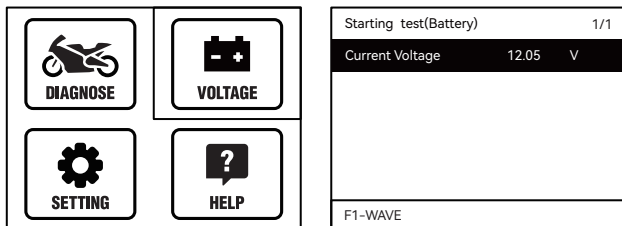
- Press the [▲▼] key to select [Actuation Test] (the screen is shown below).

Actuation Test	1/17
Coolant temperature warning light	
Electronic fuel pump	
Engine warning light	
Exhaust flap servomotor	
Fan	
Fuel Injector 1 test	

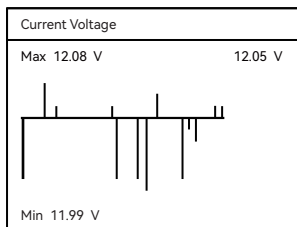
- After selecting the desired function, operate according to the prompts.

Voltage Detection

- Press the [◀▶ ▲▼] key in the main menu to select [Voltage Detection], and the OBD battery voltage can be detected in real time (the screen is shown below).

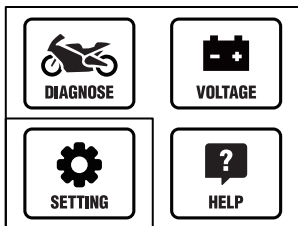


- Press [F1] to enter the waveform display (the screen is shown below).



Settings

- Press the [◀▶ ▲▼] key to select the [Settings] icon, press the [OK] key, there are three functions: voice switch, unit switch, and language selection (the screen is shown below).



Setting	1/3
Voice	
Unit	
Language	

Voice Settings

- Press the [▲▼] key to select [Voice], press the [OK] key to turn on or off the voice.

Unit Settings

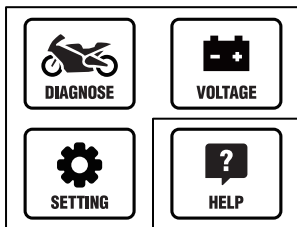
- Press the [▲▼] key to select [Unit], press [OK] to select metric / imperial units switch.

Language Settings

- Press the [▲▼] key to select [Language], press the [OK] key to select the language of different countries.

Help

- Press the [◀▶ ▲▼] key to select the [Help] icon, press the [OK] key to view the current system version and software package version.



ABOUT SOFTWARE UPGRADES

- Connect the device to the computer and wait for the device to be recognized by the computer. After the recognition is successful, a new drive symbol will appear on the computer. Open this and replace the “DIAGNOSE” folder in the drive with the downloaded “DIAGNOSE” upgrade folder, and then power on again. The updated files can be obtained by contacting the customer service or the official website.

WARRANTY

Thank you for choosing our products, we will provide you with the following services and commitments:

- The warranty period of this product is 3 years.
- After the warranty expires, replacing parts will incur a repair fee.
- Please contact the manufacturer after failure, we will give you the most perfect service in the shortest time.

The following items are not covered by the warranty:

- The wearing parts are not covered by the warranty.
- Products purchased through informal channels.
- Damage caused by use and maintenance not in accordance with the product manual.

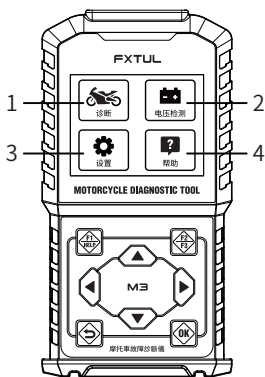
目录

产品概述.....	13
产品主图.....	13
主界面功能显示.....	13
按键说明.....	13
诊断.....	13
车型系统诊断特点.....	13
诊断支持的功能.....	14
诊断操作指引.....	14
品牌车型选择.....	14
诊断模式选择.....	14
快速测试.....	15
单系统诊断.....	16
模块信息.....	17
读取故障码.....	17
清除故障码.....	18
实时数据流.....	18
读取冻结帧.....	19
动作测试.....	19
电压检测.....	20
设置.....	20
帮助.....	21
关于软件升级.....	22
售后保修.....	22

产品概述

FXTUL M3 是一款手持式摩托车诊断工具，它具有适用于主要摩托车品牌的诊断功能，可以帮助技术人员更快地诊断问题并进行维修。该工具具有电压检测、多语言选择、单位切换等功能，界面清晰、操作简单，是摩托车维修的好帮手。

产品主图



主界面功能显示:

1. 诊断	2. 电压检测
3. 设置	4. 帮助

按键说明:

- [F1]键选择短按
- [HELP]键选择长按
- [F2]键选择短按
- [F3]键选择长按
- [◀▶▲▼]向左/向右/向上/向下键
- [↵]返回键
- [OK]确认键

诊断

车型系统诊断特点

- 支持当前车型全系统扫描识别并读码，报告车型全系统装配状态及各系统是否存在故障码。
- 支持浏览车型全系统装配状态及故障码描述。
- 支持全系统一键清码。
- 数据流波形图显示。

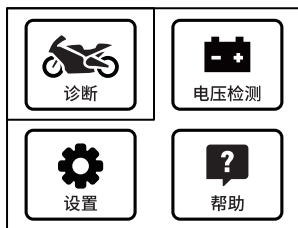
诊断支持的功能

- 支持发动机/ABS/胎压/防盗等系统；
- 单系统下支持：
 - 读取系统信息；
 - 读取故障码；
 - 清除故障码；
 - 读取数据流；
 - 读取冻结帧；
 - 执行器测试；
 - 服务功能(含怠速调节/节气门位置学习等)。

诊断操作指引

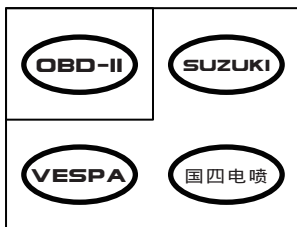
品牌车型选择

- 主菜单按[◀▶ ▲▼]键选中诊断图标，按[OK]键进入选择车型品牌。



诊断模式选择

- 按[◀▶ ▲▼]选择车辆品牌，按[OK]键进入诊断模式选择，有[快速测试]和[控制单元]两个选项(屏幕显示如下)。



诊断	1/2
快速测试	
控制单元	

快速测试

- [快速测试]是自动扫描车型全部系统的装配状态并读取故障码, 在系统扫描过程中可以长按[F3]暂停扫描(屏幕显示如下)。

快速测试		5/5
[ECM] 发动机	通过	
[ABS] 防抱死	故障 I (2)	
[BODY] 车身	通过	
[IP] 仪表	故障 I (5)	
[IMMO] 防盗	正在扫描... (71%)	
F1-[报告]	F2-[快速清除]	F3-[暂停]

[F1]键 - [报告]

- 展示系统装配状态, 说明是否存在故障码以及展开故障码描述(屏幕显示如下)。

报告	1/31
[ABS] 防抱死	故障 (2)
480860	
无	
当控制单元上的电压 <9.2V 时设置此故障代码	
480862	
F1-[Esc]	

[F2]键 - 一键清码

- 已装配并且存在故障码的系统全部执行清码，并且重新读取故障码。

单系统诊断

- 用户自主选择需要执行的功能(屏幕显示如下)。

诊断	1/7
模块信息	
读取故障码	
清除故障码	
实时数据流	
读取冻结帧	
动作测试	

诊断	7/7
服务/维护	

模块信息

- [模块信息], 将展示系统信息, 如生产日期、序列号等信息(屏幕显示如下)。

模块信息		1/3
校准ID号	00000096	
校准ID	ZSEFI_01	
VIN	CGJFZS150ZH_19D_1	
F1-[Esc]		

读取故障码

- [读取故障码](屏幕显示如下)。

读取故障码		1/2
读取故障代码 (当前)		
读取故障代码 (待定)		

- (备注: 在某些车辆中不需要手动选择[当前/历史]。)
- 按[▲▼]键选择其中一项, 按[OK]键, 查看系统中故障码信息(屏幕显示如下)。

读取故障码		1/8
代码: P0122		
状态: 无		
节气门位置 (传感器 A) 电路低输入		
F1-[帮助]		F3-[冻结]

- 点击[◀▶]键可以进行故障码的切换显示。

清除故障码

- [清除故障码], 屏幕显示清码的相关提示(屏幕显示如下)。

操作员消息		
故障代码和冻结信息将被清除, 确定要继续吗?		
F1-[OK]		F3-[取消]

- 按[F1]键进行清除故障码。

实时数据流

- 按[▲▼]键选择[实时数据流]将进入数据流选择界面, 可按[F1]键全选或按[OK]键选择指定的数据流(屏幕显示如下)。

实时数据流		1/7
◇ 发动机转速		
◇	发动机温度	
◇	点火正时提前 (1缸)	
◇	进气温度	
◇	歧管压力 (绝对)	
F1-[全部]		F3-[完成]

读取冻结帧

- 按[▲▼]键选择[读取冻结帧]读取冻结帧信息(屏幕显示如下)。

读取冻结帧			1/4
发动机转速		0.00	rpm
发动机温度	80	deg C	
故障代码	P0122		
进气温度	25	deg C	
F1-[Esc]			

动作测试

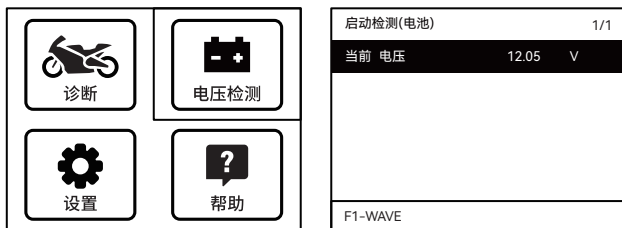
- 按[▲▼]键选择[动作测试](屏幕显示如下)。

动作测试		1/17
冷却液温度警告灯		
电子燃油泵		
发动机警告灯		
排气风门伺服电机		
风扇		
喷油器 1 测试		

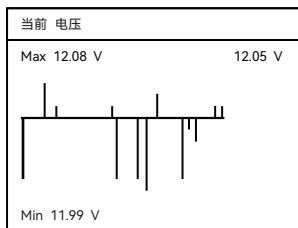
- 选择需要的功能后按照提示信息进行操作。

电压检测

- 主菜单按[◀▶▲▼]键选择[电压检测],可以实时检测OBD电池电压(屏幕显示如下)。

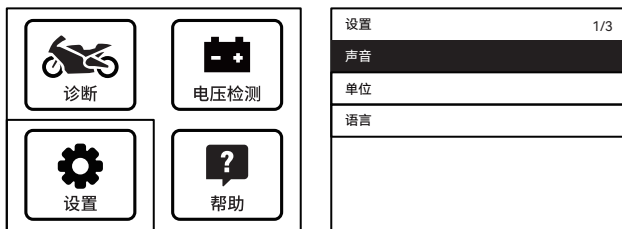


- 按[F1]可进入波形图展示(屏幕显示如下)。



设置

- 主菜单按[◀▶▲▼]键选择[设置]图标,按[OK]键,有声音开关,单位切换,语言选择三个功能(屏幕显示如下)。



声音设置

- 按[▲▼]键选择[声音], 按[OK]键, 可以打开或关闭声音。

单位设置

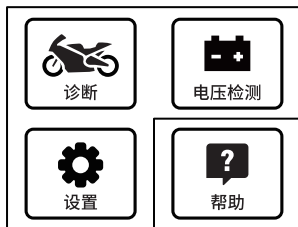
- 按[▲▼]键选择[单位], 按[OK]键, 可以进行公制/英制单位切换。

语言设置

- 按[▲▼]键选择[语言], 按[OK]键, 可以选择不同国家的语言。

帮助

- 主菜单按[◀▶▲▼]键选择[帮助]图标, 按[OK]键, 可查看当前系统版本及软件包版本。



关于软件升级

- 将设备连接到电脑，等待设备被电脑识别，识别成功后电脑端会出现一个新的盘符，打开该盘符，然后将下载完成的“DIAGNOSE”升级文件夹替换掉该盘符里面的“DIAGNOSE”文件夹最后重新上电即可。相关的更新升级文件可以联系客服或者通过官网获取。

售后保修

感谢您选择我们的产品，我们将为您提供以下服务和承诺：

- 本产品保修期为3年。
- 保修期满后，更换零件将收取维修费用。
- 出现故障后，请联系我们，我们将在最短的时间内给您最完善的服务。

以下情况不在保修范围内：

- 易损件不在保修范围内。
- 非正规渠道购买的产品。
- 未按产品说明书要求使用和维护造成的损坏。