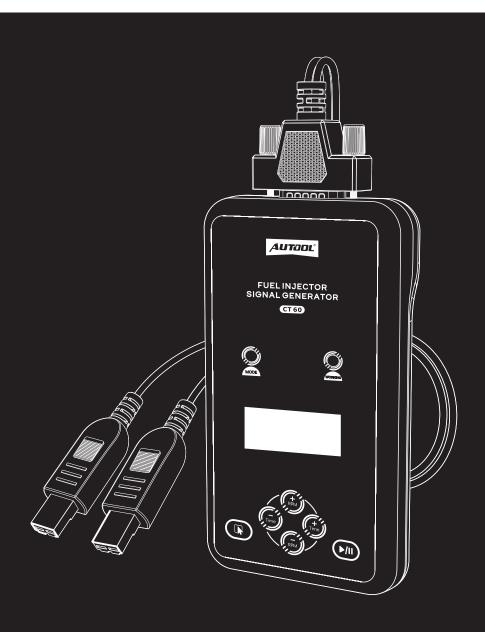


AUTOOL CT60

Fuel Injector Signal Generator

User Manual



www.autooltech.com

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Product description

The is used to test automobile injectors to determine whether the fuel injectors are stuck, leaking, or burning. It is possible to set multiple pulse outputs and adjust speed, pulse width, operating time and other parameters as required. It is also possible to connect two nozzles for the simultaneous operation to compare the sprayability status and the spray angle of the fuel injector.

Features

- Easily solve common faults such as stuck, blocked, leaked, or insufficient combustion of the fuel injector.
 - Three-year warranty and lifetime maintenance.
- The pulse width and RPM can be continuously adjusted and different programs can be applied to drive the injectors.
- During the cleaning process, pulse cleaning can be achieved by adjusting the RPM and width to optimize the cleaning effect.
 - Can be used with any fuel pressure tester.
- This device can also be used with ultrasonic cleaners and older fuel injector testers. The drive mode of the GDI engine injector added to this machine can be used as an upgrade kit for the old version of the machine (machine without GDI drive).

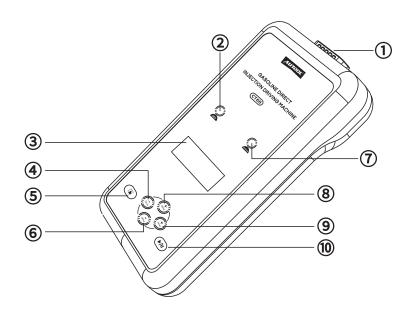
Parameters

Power input: AC 110~220V 50Hz/60Hz;

Operating environment: 0°C-60°C, Relative humidity<80%; Storage environment: -10°C-60°C, Relative humidity<85%;

Weight: 200g; Size: 150mm×90mm×50mm

Schematic diagram



1-DP15 Connector; 2-Fuel Injector Type Indicator; 3- Display area; 4-RPM"+";

5-TIME"-"; 6-Select button; 7-RPM"-"; 8-Working status indicator; 9-TIME"+"; 10-Pause

Instructions

- Turn off the vehicle's engine and remove the fuel injectors from the engine.
- Connect the pulse output to the power input port on the fuel injector.
- Connect the positive and negative electrodes clamps to the 12V battery.
- Press RPM"+","-"key to select the required analog speed. Press "Start" button, then the device starts working.
 - Select the required injector.
 - Put the device into the connection equipment, and then press the carburetor cleaner.
- Press RPM"+" and "-"keys, the tester will output pulse to the injector, and then the pulse signal indicator will light up, The device will start working.
- Use self-pressure detergent, you need to select the corresponding connector and connect it well. Press the start button to start spraying, and observe the sprayability status and spray angle with your naked eye.

Warranty

There are 3 years warranty of the main unit from the date of the customer received the AUTOOL product and 1 year warranty for accessories.

Warranty Access

- Repair or replace the equipment will be done according to the specific fault conditions;
- We guarantee that all replacement parts, accessories or equipment are brand new;
- Within 90 days after the customer receives the product, if the product has faulty, the buyer can provide videos and pictures, we will bear the shipping costs and provide free replacement parts for the customer.

Warranty is not Covered on the Condition Listed Below

- Product is bought through non-official AUTOOL purchase channel.
- Product failure is caused by incorrect use of the product, use for other wrong purpose or human factors.

Disclaimer: All information, illustrations, and specifications contained in this manual, AUTOOL resumes the right of modify this manual and the machine itself with no prior notice. The physical appearance and color may differ from what is shown in the manual, please refer to the actual product. Every effort has been made to make all descriptions in the book accurate, but inevitably there are still inaccuracies, if in doubt, please contact your dealer or AUTOOL after-service centre, we are not responsible for any consequences arising from misunderstandings.

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注意事项

- 使用本仪器前,必须将汽车的发动机关闭;
- 不要在靠近汽车的地方抽烟或点火。
- 不要将汽车的燃油溅到热的发动机部件上。
- 仅在通风的场所使用本仪器。
- 不要靠近任何汽车的转动部件,不要接触任何汽车的发热部件。
- 不要触碰任何带有危险电压的汽车部件。
- 佩戴合格的护目镜。
- 测试完成后,应将所有被断开的汽车连接正确恢复。

产品介绍

本产品用于测试汽车喷油器,以判断喷油器是否卡滞,泄漏或燃烧等故障状况。它可设置多个脉冲信号输出,并可以根据需要调整转速,脉冲宽度,工作时间等参数。也可连接两个喷嘴同时工作,对比喷油的雾化 状态和喷油角度。

功能特点

- 轻松解决喷油嘴卡滞、阻塞、泄露、燃烧不充分等常见故障。
- 质保三年,终身维护。
- 可以连续调节脉冲宽度和速度,并应用不同的程序来驱动喷油器。
- 在清洁过程中,可以通过调节转速和脉冲宽度来实现脉冲清洁,以提高清洁效果。
- 可以与任何燃油压力测试仪一起使用
- 本设备也可以与超声波清洗机和旧款的喷油嘴测试仪一起使用,本机增加的GDI发动机喷油器的驱动模式,可以作为旧版机器(不带GDI驱动机器)的升级配套。

产品参数

- 输入电源: AC110~220V 50Hz/60Hz;
- 运行环境: 0°C-60°C,相对湿度<80%;
 - 储存环境: -10°C-60°C,相对湿度<85%;</p>

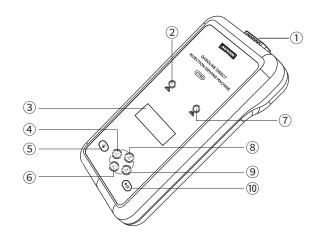
整机结构解析

1-DP15连接器; 2-喷油嘴类型指示灯;

3-屏幕显示区; 4-时间 "-"; 5-选择键;

6-转速 "-";7-工作状态指示灯;8-转速 "+";

9-时间"+"; 10-启动/停止;



操作说明

- 关闭车辆的引擎,拆出发动机上的喷油器;
- 将脉冲输出端子连接到喷油器上的电源输入端口;
- 连接交流电源适配器;
- 按下转速"+""-"键,选择所需的模拟转速,按启动键喷油器开始工作;
- 选择所需的喷油器连接设备;
- 将喷油器装入连接设备里面,再按压化油器清洗剂;
- 按下转速 "+" "-"键,测试仪将向喷油器输出脉冲,然后脉冲信号指示灯将亮起;喷油器开始有 开关动作;
- 用有自带压力的清洗液,需选出对应的连接接头连接好,按启动键,就会开始喷油出来,用眼睛观察喷油的雾化状态和喷油角度有没有问题;

售后保修

AUTOOL 整机自客户签收日起享有3年保修期,附件1年保修期。

保修方式:

- 根据具体的故障情况对设备进行修理或更换;
- 我方保证所有更换的部件、附件或设备都是全新;
- 在客户收到产品90天内出现故障同时提供视频和图片,我方承担运费并免费提供相应配件给客户更换。 收到产品超过90天,客户承担相应的费用,我方免费提供配件给客户更换。

以下情况不再免费保修范围:

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