

EFI2100 Fuel System Analyzer

燃油系统故障分析仪

功能特点 | FUNCTIONS

| | |
|-------------|---------------------------------------|
| 燃油压力测试 | Fuel pressure test |
| 燃油流量测试 | Fuel flow test |
| 引擎进气歧管真空度测试 | Engine intake manifold vacuum test |
| 排气歧管背压测试 | Backpressure in exhaust manifold test |

多种接头对应不同车型。
Various connectors to fit various vehicle models.

规格 | SPECIFICATIONS

| | |
|--------------------------------|---------------|
| 油压测试范围 | 0~800Kpa |
| Testing range of fuel pressure | 0~800Kpa |
| 燃油流量测试范围 | 0.5~3L/min |
| Testing range of fuel flow | 0.5~3L/min |
| 引擎真空度测试范围 | -100~0Kpa |
| Testing range of engine vacuum | -100~0Kpa |
| 背压测试范围 | 0~60Kpa |
| Testing range of backpressure | 0~60Kpa |
| 重量 | 3.3Kg |
| Weight | 3.3Kg |
| 产品尺寸 | 431X115X374mm |
| Dimensions | 431X115X374mm |
| 工作温度 | -18°C~+40°C |
| Working temperature | -18°C~+40°C |
| 外壳材料 | 铝 Aluminium |
| Shell material | 铝 Aluminium |



EFI2100

四大功能，全面诊断燃油系统

● 检测燃油压力

电喷发动机的燃油压力应在正常工作范围内，过高或过低的燃油压力会引起混合气体过浓或过稀，增加油耗，引起三元催化器过热、怠速不稳定、功率下降等故障。

● 检测燃油流量

电喷发动机的燃油泵供油量在 1.5~2.0L/MIN，当燃油泵磨损，滤网或滤清器堵塞，都会引起燃油流量的降低，过低的燃油流量会引起发动机动力不足，行驶无高速，有些故障检测如果单独使用燃油压力表需进行路试，而使用此燃油系统分析仪则无需路试，只在发动机怠速运行状态下就可完成全面且准确的检测。

● 检测排气系统背压

● 检测进气歧管真空度

发动机运转时，进气歧管会产生一定的真空度，发生不同故障时，真空度也相应改变，以下为部分例子。

气门弹簧弹性减弱：发动机快速运转，指针在 10-20psi 之间震动；发动机转速增加，则指针震动加大。

气门正时延迟：当发动机运转时测量，发动机在高怠速的情况下指针在 8-15psi 之间某一位置，保持不变

点火延迟：发动机在高怠速运转时，指针固定指向 14-17psi 之间某一位置。

点火失效：如果指针在 14-16psi 之间缓慢移动，检查火花塞间隙是否过小或过大。

The tension of the valve spring fail: The pointer swings between 10 and 22 psi when engine runs fast; when accelerate the engine, the pointer swings hardly.

Valve timing delay: The pointer stay at a station between 8 and 15 psi steadily.

Ignition timing delay: The pointer stay at a station between 14 psi and 17 psi with engine high speed idle.

Misfiring: If the pointer moves slowly between 14 and 16psi, check the spark plug gap whether is too small or too big.

FOUR functions thorough diagnose the fuel system

● Fuel pressure test

The EFI engine fuel pressure should be in nomal working range. Too high or too low fuel pressure will cause gas mixture too thick or too thin. It increases fuel consumption and cause overheating of catalytic conveters, unstable idle, power loss.

● Fuel flow test

The fuel pump flow of EFI engine is 1.5~2.0 l/min. When the fuel pump wear, blocked fuel filters will decrease the fuel flow. Low fuel flow cause lack of engine power and high speed. Some fault detection should have road test if the fuel pressure guage be used only, but it is no need to road test if using the Fuel system analyzer. The analyzer only in engine idling state of operation can complete accurate detection.

● Backpressure in exhaust manifold test

● Engine intake manifold vacuum test

When the engine runs, the intake manifold will produce some vacuum degree. Different faults can cause corresponding vacuum. There are some examples.

EFI2102 Fuel Pressure Tester

燃油系统压力测试仪

功能 | FUNCTIONS

| | |
|--------|--------------------|
| 燃油压力测试 | Fuel pressure test |
|--------|--------------------|

特点 | FEATURES

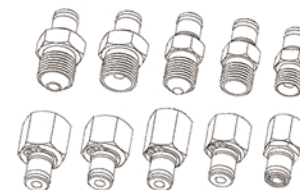
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| 高精度压力表头 | High-precision pressure guage |
| 全车系燃油管接头 | Various connectors to fit various vehicle models |
| 高密封快速接头不仅方便使用也可升级不同车型的油管接头 High sealing quick connectors are easy to use and can be upgraded to fit more vehicles | |
| 接头采用高性能塑料，经久耐用 Connectors are made by high performance plastic and durable | |

规格 | SPECIFICATIONS

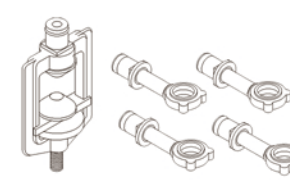
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|--------|--------------------------------|--------------|
| 油压测试范围 | Testing range of fuel pressure | 0~800Kpa |
| 重量 | Weight | 2.5Kg |
| 产品尺寸 | Dimensions | 394X265X85mm |
| 工作温度 | Working temperature | -18°C~+40°C |
| 外壳材料 | Shell material | 铝 Aluminium |



EFI2102



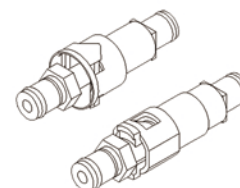
● 欧亚车型适用 FOR ASIA/EU CARS



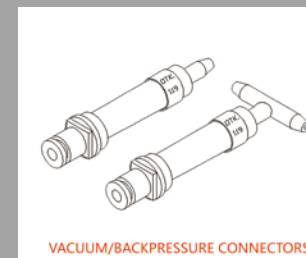
● 欧亚车型适用 FOR ASIA/EU CARS



● 常用接头 FOR COMMON CARS



● GM、FORD 专用 FOR GM/FORD



VACUUM/BACKPRESSURE CONNECTORS

● 真空 / 背压接头



OXYGEN SENSOR CONNECTOR

● 氧传感器接头

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