



Fuel Injector Cleaner (Set) **Model: ZC-QC007D**

Features:

- a. LED display
- c. Ultrasonic cleaning through built-in;
- d. Discharging fluid more quickly, add 2 valves in front of the machine.
- e. Spark and fire are prohibited.
- f. Cleaning Agent: 20 Litter

Specification:

Fuel Tank Capacity	2000 ml
The capacity of Measuring Cylinder	125 ml
Speed Range	0~7500 rpm
Injecting Times	0~9900 Step: 100ms
PWM Pulse	0~20.0 ms Step: 0.1 ms
System Pressure	0~0.6Mpa (adjustable)
Time	0~20 minute (adjustable)
Power of Ultrasonic Cleaning	70W
Frequency	50HZ±0.5
Frequency of Ultrasonic Cleaning	28 KHZ±0.5 kHz
Power supply	AC220V/AC110V±10%
Humidity	< 85%

Environment Temperature	0°C ~ +40°C
Weight	10KG
Automotive Actuator	
This module enables the theoretical and experimental study of the actuators used for engine electronic control.	
Training Program to be Performed	Petrol injector Exhaust Gas Recirculation (EGR) valve High-pressure Diesel atomizer Idle actuator with stepper motor Electrical test Troubleshooting
Two-colored schematic diagram with 5 LEDs for locating the tested components in the vehicle	
Analysis of fuel injector control signal with speed variation from 900 to 6000 r.p.m. and adjustable injection timing from 2 ms to 12 ms	
Exhaust gas recirculation valve with test points for the analysis of the signal for adjusting the valve opening versus the duty cycle varying from 10% to 90%	
Simulated ?Common Rail? injector, with test points for the analysis of the adjustments pre-injection time from 0.1 to 0.7 ms	
delay of injection pulse from 0.7 to 4.5 ms	
injection time from 0.2 ms to 1.8 ms	
control frequency between 15 Hz and 80 Hz (900-4000r.p.m.)	
injector opening pulse of 70 V	
Stepper motor for idle control with 4 test points for the analysis of the signal on each winding.	
Regulation of pilot tone from 5 Hz to 50 Hz; four LEDs indicate the bias of windings	
Possibility of reversing the rotation direction and measurement of the displacement on a millimetric scale	
Interconnection and test points - Ø2mm	
Power Supply Unit	
Regulated voltage, electronically protected against short-circuits and overloads	
Knob facility for selecting desired voltage	
Output 1	1.3Vdc ÷ 24Vdc, 1A
Output 2	24Vac - 0 - 24Vac, 0.5A
Output 3	+5Vdc - 2A
Output 4	+12Vdc - 2A
Output 5	-12Vdc - 1A
Power source	220~230V AC, 50Hz, 1 Phase
Cleaning agent	20 Litre.