

Fuel Injector Cleaner (Set)

ZC-QC007D



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

Technical Specifications:

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

Technical Specifications:

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 - \varnothing 2mm
Power Supply Unit:
Regulated voltage, electronically protected against short-circuits and overloads
Knob facility for selecting desired voltage
Output 1: 1.3Vdc \div 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.