

ANCEL ANJ600 Car Fuel Injector Cleaner



Model: ANJ600

Manufacturer: ANCEL

EAN: 6978281190380

Product Code: 970929

R12,224

ANCEL ANJ600 Automotive Fuel Injector Cleaner

The ANCEL ANJ600 is a professional device for cleaning and testing fuel injectors, equipped with a digital display, a microprocessor-controlled fuel pressure system, and an ultrasonic cleaner. The unit supports electromagnetic injectors (such as EFI and GDI) and piezoelectric injectors, enabling comprehensive diagnostics, testing, and cleaning of fuel injection systems. The operating pressure adjustment range from 0 to 8 bar, the ability to simulate engine operation up to 9,900 rpm, and a pulse width of up to 30 ms allow for a thorough analysis of injector performance under various operating conditions.

Ultrasonic cleaning effectively removes deposits and contaminants

The device uses ultrasonic cleaning technology to remove carbon deposits and contaminants from the interior and surfaces of the injectors. Ultrasonic waves generate a cavitation effect that allows for the effective cleaning of components with complex shapes, recesses, and pores. The

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manufacturer has incorporated an external, standalone ultrasonic cleaner, which enhances ease of use and enables efficient cleaning of even heavily soiled injectors.

Spray, Leak, and Injection Volume Tests

The ANCEL ANJ600 enables the performance of numerous diagnostic tests to accurately assess the condition of the injectors. The spray pattern/uniformity test helps compare the performance of individual injectors and observe fuel spray quality using backlighting. The leak test allows you to inspect the needle valve and detect leaks under system pressure, while the injection flow test lets you check the amount of fuel delivered during a 15-second operating cycle.

Automatic Tests and Simulation of Various Engine Operating Conditions

The device offers an automatic test function that includes, among other things, idle, medium- and high-RPM, variable acceleration, variable braking, and pulse width modulation tests. This enables a comprehensive evaluation of injector performance under conditions similar to actual engine operation. Three automatic test modes are available, and the user can adjust the fuel pressure directly from the control panel.

Support for Piezoelectric and Low-Resistance Injectors

The ANCEL ANJ600 supports both piezoelectric injectors and traditional electromagnetic injectors. Thanks to a dedicated motherboard, the device also enables comprehensive and long-term testing of low-resistance fuel injectors, including models with a resistance of 1Ω. The manufacturer has also included a backflush function, which helps remove contaminants from inside the injector and on the filter.

Automatic fuel drainage and microprocessor-controlled fuel pressure

The device uses microcomputer-based regulation and control of fuel pressure, which allows for stable operating parameters and a wide range of adjustment. The automatic fuel drain function enables rapid emptying of the system during selected tests using the Drain button. The manufacturer has also incorporated technology that automatically reduces pressure in the event of a sudden power shutdown, which enhances operational safety and helps protect components from

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damage.

Extensive set of adapters and accessories

The kit includes numerous adapters, hoses, and mounting components designed for use with various types of injectors. The device supports, among others, GDI adapters, adapters for Mercedes-Benz and BMW piezoelectric injectors, as well as standard and European connectors. The set also includes pulse cables for 6 injectors, fuel lines, mounting hardware, and accessories needed for testing and cleaning injection systems.

Included in the set

- Injector testing and cleaning device with ultrasonic cleaner x1
- R1/4 plug x5
- Adjustment screw x2
- Drain valve x1
- Fuel hose x1
- Fuel funnel x1
- Connector gaskets (7.52 × 3.53) x10
- Pulse hose for injectors (6 injectors) x1
- Dedicated hose x6
- Power cable x1
- User manual x1
- Pair of standard plates x1
- Standard connector $\Phi 10.6$ x6
- European connector $\Phi 13.6$ x6
- Connector $\Phi 9.8$ (GDI adapter) x6
- $\Phi 12.5$ connector (GDI adapter) x6
- M18 connector (GDI adapter) x6
- Mercedes-Benz (PIEZO) connector $\Phi 16$ x6
- BMW (GDI adapter) connector M12 × 1.5 x6
- BMW connector (PIEZO) x6
- Injector base $\Phi 11$ x6
- Injector plate $\Phi 14$ x6

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- BMW piezoelectric holders x1

Manufacturer	ANCEL
Model	ANJ600
Device Type	Injector cleaning and testing device
Power Supply	AC 220 V $\pm 10\%$, 50 Hz / 60 Hz or AC 110 V $\pm 10\%$, 60 Hz (EU and US standards)
Input power	230 W
Ultrasonic cleaner power	100 W (38–39 kHz)
Resistance test accuracy	0.1 Ω
Simulated RPM range	100–9,900 RPM (increment: 10 RPM)
Time range	5–300 s (increment: 5 s)
Pulse width	0–30 ms (increment: 0.1 ms)
Speed	0–9,975 rpm
Fuel tank capacity	2,400 ml
Operating pressure	0–8 bar (adjustable)
Display	Digital screen
Supported injectors	Electromagnetic injectors (EFI, GDI, etc.), piezoelectric injectors
Operating temperature	-10°C to 40°C
Relative humidity	85%

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Supported functions Ultrasonic cleaning, resistance test, uniformity/atomization test, leak test, injection flow test, operating mode test, in-vehicle cleaning, backflushing, low-resistance injector test, automatic test, manual test, fluid drainage from the solenoid valve

GPSR Link: https://psr-assets.innpro.pl/car_accessories/sg_car_accessories_diagnostic_tools.pdf,

Gross weight: 22460, Box length: 49,00, Box width: 41,00, Box height: 54,00, Net weight: 19800,

Information about data generation: <https://dataact.innpro.pl/ANCEL/6978281190380>, PPWR:

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