

ver. 24.07.2024

ELECTRONICS

NEVO-SKY

MODEL 2

DIRECT

- SKY EXPERT SYSTEM
- ECU HYDROPHOBIC VENTING
- SUPPORTS UP TO 4 CYLINDERS
- MASTER-SLAVE UP TO 8 CYLINDERS
- OBD INSIDE
OBD PARAMETER MONITOR
- EZP READY
COOPERATION WITH PUMP VALVE EMULATOR
- FOR ENGINES AFTER CHIP TUNING
- ECP
BUILT-IN FUEL PRESSURE EMULATOR
- EPP
BUILT-IN FUEL LEVEL EMULATOR
- DIGITAL
DIGITAL HIGH FUEL PRESSURE SENSORS SUPPORT
- BUILT-IN OSCILLOSCOPE

APPROVAL

(E8) 67R-01 3787 | 110R-00 4297

SYSTEM FOR
DIRECT
INJECTION ENGINES



NEVO-SKY DIRECT is a system designed for engines with **direct gasoline injection (DI)**. It is dedicated to **demanding customers**, as it enables **advanced** and full use of the OBD strategy of the petrol controller. NEVO-SKY DIRECT is a universal platform designed to support **all direct fuel injection engines** with electromagnetic injectors.

ELECTRONICS SET
NEVO-SKY DIRECT 4 CYL.

4



- NEVO-SKY DIRECT 4 cyl. controller
- Electronics harness
- Fuel gauge PW3
- CCT6 ANALOG 5.5BAR pressure sensor
- Control panel: DG7 or DG8
- Complementary elements (fuse, fuse housing, heat shrink tubes, collector nozzle)

ELECTRONICS SET
NEVO-SKY DIRECT 6-8 CYL.

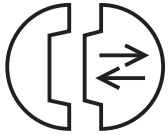
6-8



- 2 x NEVO-SKY DIRECT 4 cyl. controller*
- 2 x electronics harness
- Fuel gauge PW3
- CCT6 ANALOG 5.5BAR pressure sensor
- Master-slave harness for CCT6
- Master-slave harness
- Control panel: DG7 or DG8
- Complementary elements (fuse, fuse housing, heat shrink tubes, collector nozzle)

* each controller has the full functionality of the NEVO-SKY DIRECT 4 cyl controller

MASTER-SLAVE



One controller supports a maximum of 4-cylinder engines. **In the case of engines with more than 4 cylinders**, an additional controller must be added to the system and both should be connected in MASTER-SLAVE mode.

CYLINDER DISCONNECTOR

The controller has a built-in cylinder disconnecter, which enables **detection of correct cylinder connection**.

RL VERSIONS

On request, versions of the controller with an RL emulator are available, which **prevents errors** related to the petrol injector circuit (e.g. Mitsubishi, Mazda, VAG DUAL cars).

OSCILLOSCOPE

The controller has a built-in oscilloscope that allows **measuring the signals of petrol injectors, pump valve** and other 0-20V voltage signals.

SKY EXPERT SYSTEM

The NEVO-SKY DIRECT system is controlled via the same **KME NEVO-SKY program** that users are familiar with from operating other systems from the KME offer (NEVO-SKY: DUAL, MAX, JET). It enables **advanced configuration, diagnostics and adjustment** of the car's gas system. The program also includes a number of **functions that facilitate the operation of the installation**, e.g. SKY expert system, hints, recorder, 3D maps and many others.

EZP – PUMP VALVE EMULATOR

The NEVO-SKY DIRECT controller works with an external EZP pump valve emulator – this is a module **used to reduce gasoline consumption** (for use in some cars).



FUEL CONSUMPTION

Percentage of gasoline consumption (Pb) in relation to gas consumption (LPG) in example cars **with direct fuel injection** equipped with the NEVO-SKY DIRECT installation.

	LPG	Pb
Skoda Superb 1,4 TSI 92 kW [CZCA] 2015 r.	86% / 14%	
Toyota Avensis 2,0L 110 kW [1AZ-FSE] 2004 r.	89% / 11%	
Audi A5 2.0 TSI 155kW [CDNC] 2009 r.	90% / 10%	
Mazda CX5 2,0 FSI 118 kW [K97] 2014 r. [+EZP*]	92% / 8%	
Hyundai ix35 2,0 GDI 122 kW [ELH] 2014 r. [+EZP*]	93% / 7%	

* Additional **EZP module** [pump valve emulator] – used to reduce gasoline consumption [for use in some cars]

approximate values



SUPPORTED ENGINES WITH DIRECT INJECTION

FSI, TSI, TFSI	Fuel Stratified Injection	VAG
HPI	High Precision Injection	BMW
THP, Pure Tech	Turbo High Pressure	PSA (Citroen, Peugeot)
SCi, Ecoboost	Smart Charge injection	Ford
IDE, TCE	Injection Direct Essence	Renault
JTS	Jet Thrust Stoichiometric	Alfa Romeo
Ecotec, SIDI	Ecotec Spark Ignition Direct Injection	GM, Vauxhall, Opel, Holden
CGI	Charged Gasoline Injection	Mercedes Benz
DISI, Skyactiv	Direct Injection Spark Ignition	Mazda
GDI, TGDI	Gasoline Direct Injection	Mitsubishi, Hyundai, KIA