ALEX
PROFESSIONAL AUTOGAS INSTALLATIONS

Comparison table
ALEX OPTIMA controllers

	OPTIMA PICO OBD READY (NOVELTY)	OPTIMA nano OBD (NOVELTY)	OPTIMA EXPERT
Number of cylinders supported	3/4	3/4	3/4/5/6/8
Connector – number of pins	24	24	56
Case	COMPOSITE	ALUMINIUM	ALUMINIUM
Hybrid option	✓	✓	✓
Compatible with PTS02-5.5 bar sensor	✓	✓	✓
Cooperation with the RGB control unit	✓	✓	✓
Support for connecting two MASTER/SLAVE controllers			✓
Option of 6 injectors in 3 cylinders & 8 injectors in 4 cylinders			✓
Innovative auto-calibration module	✓	✓	✓
Option to exit cut-off on petrol	✓	✓	✓
Day&night system	✓	✓	✓
Additional adjustments after turnover	✓	✓	✓
Additional adjustments based on reducer temperature	✓	✓	✓
Additional adjustments for gas temperature	✓	✓	✓
Additional adjustments for gas pressure	✓	✓	✓
Additional adjustments to gas injector opening times	✓	✓	✓
Oscilloscope for monitoring system operating parameters	✓	✓	✓
Support for petrol injector loops	✓	✓	✓
Compatibility with VALVETRONIC engines	✓	✓	✓
Cooperation with Wankel engines	✓	✓	✓
Cooperation with naturally aspirated engines	✓	✓	✓
Cooperation with turbocharged engines	✓	✓	✓
Compatibility with various types of petrol injection control systems	✓	✓	✓
Compatible with many types of gas injectors	✓	✓	✓
Compatible with many types of gas level sensors	✓	✓	✓
Heating of gas injectors	✓	✓	✓
Possibility to specify the maximum load and engine speed when running on gas	✓	✓	✓
Gas installation inspection reminder function	✓	✓	✓
Quick Start function	✓	✓	✓
Full short-circuit and overload protection	✓	✓	✓
Semiconductor emulation	✓	✓	✓
Three-dimensional gas and petrol maps	✓	✓	✓
LPG and CNG fuel service	✓	✓	✓
Possibility of obtaining the rotation signal from the camshaft position sensor	✓	✓	✓
Possibility of obtaining the rotation signal from the shaft position sensor	✓	✓	✓
Possibility of obtaining the rotation signal from the injector pulse	✓	✓	✓
Option to permanently disable individual gas injectors	✓	✓	✓
Possibility of emergency starting the engine on gas	✓	✓	✓
Possibility of connecting an external lambda probe	✓	✓	✓
Permanent fault memory	✓	✓	✓
Fuel overlap	✓	✓	✓
Possibility of connecting an external AFR probe	✓	✓	✓
Injector switching strategies during fuel transition	✓	✓	✓
Quick shut-off option for LPG/CNG systems	✓	✓	✓
Rotation decay time settings	✓	✓	✓
Ability to display change history in the controller	✓	✓	✓
Audible error and message signals	✓	✓	✓
Petrol addition	✓	✓	✓
Automatic detection of OBD protocols	+ELM	✓	✓
OBD support built into the controller	+ELM	✓	✓
OBD parameter monitor	+ELM	✓	✓
Adaptation based on vehicle ECU readouts	+ELM	✓	✓
Reverse OBD correction support	+ELM	✓	✓
Simplifying the application options view	✓	✓	✓
Editable gas injection time ranges (injection time table as a function of rotation)	✓	✓	✓
Additional correction map dependent on MAF	✓	✓	✓
Additional correction map depending on manifold pressure	✓	✓	✓
Mixture leaning on a cold engine	✓	✓	✓
Audible signal indicating petrol operation	✓	✓	✓
Audible signal for warm reducer	✓	✓	✓
Emulation of the lambda probe upstream of the catalytic converter			✓
Emulation of the lambda probe behind the catalytic converter			✓
Clearing selected OBD2/CAN errors		✓	✓
Universal fuel pressure emulator			✓

ALEX OPTIMA
MODERN LPG & CNG SYSTEMS