



MICROTEC

M270_GP3

DESCRIPTION

This ECU is a complete replacement solution for the original NSF250R engine control unit. It implements all the functions and security strategies given by the original one, and is supplied with the original maps, completely configurable.

Heart of the ECU is the MPC5534 Power PC from Freescale, and with the 80Mhz system clock guarantee high calculation performances.

Complete management of ignition / injection parameters, 2nd injector management, and the auto-mapping feature, available after purchase of a suitable lambda sensor, are the keys for maximum flexibility and performance.

On-board CAN line, provide a simple and standard way to connect the ECU to a data logger system or a common PC

A 3D Windows application, purposely developed for this unit, is designed for customize and monitor all the system parameters and the external sensors data.

The black box is fully anodized in aluminum material, and is simple and to install.



TECHNICAL DATA

Mechanical data

Dimensions (with connector)	103 x 110 x 30
BOX material	Black anodized aluminum
Main Connectors	33 ways Sumitomo
AUX Connector	8-4 ways JST
Weight	xxxg

Inputs

Analogic	7
Digital	6
Pick-up inductive / hall	1
Battery level	1
Wheel speed	1
Lambda sensor	1 (UEGO via CAN BUS)

Outputs

Injector Drivers	2
Coil Drivers	1
RPM	1
Warning Lamp	1
Light	1

Options

2nd injector	
Speed, gear position, launch control input	
Data aquisition	
Auto-mapping lambda sensor	

Communication

CAN Line (1Mbit/s)	1
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Electrical Data

Power Supply	8 - 18Vdc
Temperature Range	-20 / +85°C

Software

Windows application MON270, with 3D maps viewer	
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