



MICROTEC

MON222

DESCRIPTION

Plug&play battery-less engine management unit, designed to replace the original ECU on the off-road models:

HONDA CRF 450 MY09 E MY10

HONDA CRF 250 MY10

Heart of the system is the MPC5534 Power PC from Freescale, with high calculation performances.

All the functional parameters are fully customizable and the automapping feature permit to adapt this unit to many different situations.

The most important features are: two maps fully reprogrammable, an electronic shift input, an integrated time counter and the predisposition for data acquisition.

For mono-cylinder, phase engine are detected by special software routines, without the need of an external cam sensor

On-board CAN, provide a simple and standard way to connect the ECU to a data logger system or a common PC (with our CAN-USB adapter M196).

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

With a very compact design, installation process is very simple and quick in the same position of original ECU.



TECHNICAL DATA

Mechanical data

Dimensions (no fastening)

92 x 80 x 29

Main connector

W025-33MAYB-KH2

Weight

200g

Inputs

Analogic

8

Digital

2

Lambda Sensor

1 (UEGO via CAN-BUS)

Pick-up inductive

1

Battery Level

1

Outputs

Injector Drivers

1

Coil Commands

1

Water Pump

1

RPM

1

Warning Lamp

1

Communication

CAN Line (1Mbit/s)

1

Electrical Data

Power Supply

8 – 18Vdc

Temperature Range

-20 / +85°C

Management Software

Windows application MON222, with 3D maps viewer.