



MICROTEC

MON197

DESCRIPTION

Injection and ignition control system, expressly developed to be employed on many DUCATI bike models, in replacement of the original ECU. All the original functions are kept.

Heart of the system is the MPC5534 Power PC from Freescale that with a core clock of 80Mhz, provide high calculation performances.

Full parameters customization allows to employ this module in different working conditions.

Unit is provided with two identical pre-charged maps, suited for the bike model chosen.

All this models are fully supported:

SBK 1098 - SBK1098R - SBK 848 - 749 - MTS1100

MONSTER 400 - MONSTER 620 - MONSTER S2R

MONSTER S2R 1000 - MONSTER S4R - HYM 1100

This unit is fully compatible with the original DUCATI dashboard, and many other functions are available as options:

- High speed shift feature
- Auto mapping feature (adequate lambda sensor required)
- Drop switch
- Data acquisition on CAN line

By means of an included adapter, the unit can be connected to an USB port of a common Windows PC.

A 3D Windows application, is designed for customize and monitor all the system parameters.

The external BOX is constituted by a black plastic cover and an aluminum back.

Four fixing points are provided to permit a simple installation on the original DUCATI support.



TECHNICAL DATA

Mechanical data

Dimensions	125 x 50 x 40
BOX	Plastic / Aluminum
Connectors	MAIN: 2 x 38 AUX: 1 x 8 AMP 040 Multilock
Weight	270g

Inputs

Analog	8
Digital	10
UEGO Lambda sensor	1
NBEGO Lambda sensor	2
Inductive Pick-up	1
Wheel speed	1
Water/Oil temp	1
Battery Level	1

Outputs

Injectors drivers	4
Coil drivers	2
Idle valve	1
Water pump	1
Fuel pump	1
Fan	1
RPM	1
Lights	1

Communication

CAN line 1Mbit/s (PC / Data Acquisition)	1
CAN line 125Kbit/s (Dashboard)	1

Electrical data

Power supply	8 - 18Vdc
Temperature range	-20 - 85°C

Management software

Windows application MON197, with 3D maps viewer