



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:

Hypermotard 1100	Sport Turing ST2
Monster 400	Sport Turing ST3
Monster 620	Sport Turing ST4
Monster 695	Street Fighter 1098
Monster 750	Super Bike 749
Monster 800	Super Bike 848
Monster 900	Super Bike 998
Monster 1000	Super Bike 999
Monster S2R 800	Super Bike 1098
Monster S2R 1000	Super Bike 1098R
Monster S4	Super Bike 1198
Monster S4R	
Multistrada 620	Super Sport 620
Multistrada 1000	Super Sport 750
Multistrada 1100	Super Sport 800
Superclassic GT1000	Super Sport 900
Superclassic Paulsmart 1000	Super Sport 1000
Superclassic Sport 1000	

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