

Q1079_01 – 2014 Superbike / Supersport – Magneti Marelli systems

All race teams and track users have different requirements from a set of electronics. For this reason we have defined a number of typical system examples on page 2 starting at the most basic level up to a system that would not be out of place on a World Superbike grid. This will give you an idea of the costs involved, but in all cases we recommend that you consult with us by phone or Email prior to any purchase.

All systems are based on the Magneti Marelli SRT engine control unit with integral data logger. This powerful platform will then allow further enhancements as your needs grow.

Overview of system features

- ECU with internal data logger and dashboard display from Magneti Marelli
- Throttle control system for engine braking and 'clutch less' downshifts
- Full Ride By Wire capability
- Closed loop engine braking control
- GPS module for circuit analysis
- Wintax 4 analysis software / Vision 5 full access ECU software
- System sensors for data logging and traction control*
- Design and manufacture of system and wiring to suit the application
- High definition video integration
- Assistance with mapping and installation on-site + track support option



*System does not include the existing engine components such as coils / injectors / Throttle sensor / temperature sensors / crank & cam sensors / gear position etc

Superbike systems available for Kawasaki ZX10 / Suzuki GSXR / Yamaha R1 and R6 / Honda Fireblade 1000 and 600RR / MV / Ducati (all models) / KTM

MDU Display



Ride By Wire system



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	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7
Magneti Marelli SRT-EDL16 Engine control + 64Mb data logger	•	•	•	•	•	•	•
Vision engine software and base map file	•	•	•	•	•	•	•
Axon data logger software and base logger setup files	•	•	•	•	•	•	•
Wintax Junior data analysis software + Ethernet cable	•	•	•	•	•	•	•
Traction control software and base settings	•	•	•	•	•	•	•
Raychem high specification wiring loom	•	•	•	•	•	•	•
Fork travel sensor	•	•	•	•	•	•	•
Front brake pressure sensor	•	•	•	•	•	•	•
Front and rear speed sensors	•	•	•	•	•	•	•
Accelerometer	•	•	•	•	•	•	•
Single wide band lambda sensor and closed loop control	•	•	•	•	•	•	•
Handlebar push buttons for TC+ and TC- and separate Pit speed limiter switch	•	•	•				
Load cell based in-line quick shifter, can also be used for downshift sensing on DBW		•	•	•	•	•	•
Air bleed valve for engine braking controls		•	•				
Shock sensor			•	•	•	•	•
Rear brake pressure sensor			•	•	•	•	•
Control of standard secondary butterfly for engine braking control				•	•		
Second lambda sensor				•	•	•	•
MDU race dashboard – Digital display				•	•	•	•
Handlebar switch block – 5 button assembly TC+ / TC- / Pit / Anti wheelie / Spare				•	•	•	•
Oil and fuel pressure sensors					•	•	•
Oil temperature sensor					•	•	•
10 Hz GPS module for circuit mapping					•	•	•
Throttle control module – DBW system for clutchless downshift and engine braking						•	•
Hi definition video integration							•
	£7000	£7500	£8100	£10600	£11300	£13200	£14500

Notes:

- These 'kit levels' are only examples; please contact us if you have a specific requirement.
- The cost separation between levels is not a direct correlation of the sum of the additional parts. Other factors such as extra setup time, additional wiring and follow on support all contribute.
- Fitting kits – For some bikes we are able to offer a dedicated hardware fitting kit. Please ask for details.

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Installation services

- We will provide you with a base map to suit your engine and an engineer to attend a dyno session should you need this
- Once the hardware is installed we will attend your workshop, commission the system, install all software on your PCs and give basic training.
- We will attend one track day for further training
- Telephone and Email support for the first season. This service is charged for follow on years.
- Typically we allocate 4 days per system installation within the cost, if purchasing 2 or more systems then we allocate a further 3 days free per system.
 - Europe – 2 flight
 - World – 1 flight

Installation services - Europe £2600
Installation services – World £4300

Hardware mounting

It is the responsibility of the team to manufacture mounting adaptors or brackets for all of the following:

- ECU & dash
- GPS module
- Fork & shock sensors
- Pressure sensors for brakes / oil / fuel
- Speed sensors
- Wiring loom
- Lambda sensor(s)
- Throttle control system & throttle cables

Note : We are also able to offer a complete ‘turn key’ service where we will design, manufacture and fit all components at our workshop near Silverstone.

Notes

- All prices exclude vat & shipping
 - Delivery time is dependant on the time of year ordered, but you should always allow 6-10 weeks and obtain a definitive quote at the time of order.
 - Payment terms are 65% at the time or order, the remaining 35% is due prior to delivery, or 60 days after the order is placed, whichever is the sooner.
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