Datalogger GET M40 :

The brand-new **M40** GET data logging system is the essence of technology. It is robust, light-eighted and very small. Its anodized aluminium case protects the electronic components inside which are drowned in resin to become IP68 waterproof for the toughest riding conditions in such extreme sports as motocross.

Technically, the M40 logger has a built-in GPS technology for logging all GPS data for fast and easy onscreen display.

The logger can also be connected to any GET engine control unit (ECU) to get and log over 25 engine settings making it the ideal tool for off-road activities that allow connection to the GP1-EVO ECU (or any other ECU via Can Bus).

The M40 Expansion or Plus versions have extra inputs for connecting auxiliary sensors like the magnetostrictive transducers for suspensions.

The M40 logger comes with the GATE analysis software and is available in three versions according to the number of auxiliary channels available and related expansion looms.

Even with the basic M40 version, you can add more signal inputs just purchasing the LC1EVO PLUS version that will act as an expansion module via CAN once connected.

The M40 logger is thus a flexible and expandable tool that can meet the most demanding and complex requirements

The main features of **M40** dataloggers are:

MAIN FEATURES		M40 STD	M40 EXP	M40 PLUS
	CODE>>>	GK-M40-0001	GK-M40-0002	GK-M40-0003
Built in triaxial accelkerometer		✔	✔	✔
Analog inputs (signal range 0-5V)		3	6	9
Frequency inputs (signal range 0-150V, freq. 0 - 20kHz)		2	3	5
Beacon input		-	✔	✔
CAN port - High Speed 2.0 (bitrate 125 – 250- 500 kb/s, 1Mb/s) Intel/Motorola format		✔	✔	✔
Maximum settable CAN channels		128	128	128
Transmission over CAN bus		✔	✔	✔
Logging CAN messages		✔	✔	✔
Customizable acquisition channel frequency (Hz): 1, 10, 20, 50,100, 500		✔	✔	✔
Auxiliary Power - 5 VDC @ 1A		✔	✔	✔
Auxiliary Power - VBB (supply voltage)		✔	✔	✔
Start/stop logging by custom channel software selection)		✔	✔	✔
Selectable hardware startup delay		✔	✔	✔
Selectable start logging delay		✔	✔	✔
Built in 5Hz GPS module (10Hz oversampling)		✔	✔	✔
GPS module accuracy(m)		2.5	2.5	2.5
GPS antenna type		Powered @ 5V	Powered @ 5V	Powered @ 5V
Start/stop logging led indicator		✔	✔	✔
GPS led status		✔	✔	✔
Built in Real Time Clock (RTC) with backup battery		✔	✔	✔
Settable Internal clock (manual/automatic)		✔	✔	✔
Selectable timezone		✔	✔	✔
2GB Built in memory		✔	✔	✔
USB Port		✔	✔	✔
Firmware updating via PC		✔	✔	✔
GATE Software		✔	✔	✔
Anodized aluminium case		✔	✔	✔
IP68 protection grade		✔	✔	✔
Dimensions l. x w. x h. (mm)		92 x 66 x 20	92 x 66 x 20	92 x 66 x 20
Weight (g)		500g ca.	500g ca.	500g ca.

GATE *management software:*

The data acquired by **M40** can be managed by GATE: the software designed for GET data logger.

This professional analysis software is designed for riders who want to go beyond the limits and learn how to make the most out of their data acquisition system.

Use tools such as graphs and charts made with the **M40** to increase the level of your driving performance and find the best vehicle setup quickly.

Thanks to the GPS system, see your position on the track and start analysing all track events.

The MX2 analysis software can displays also the lap times of sessions.

Other interesting features of MX2 software are the channel post-calibration and the math channel creation.

GATE includes also : Download Manager (to download the datas from GET dataloggers) and Setup Manager (to configure the acquired channel and the other features of devices).

GATE is a freeware software and it's downloadable from www.getdata.it