

M600

Developed with the same advanced technology as our revolutionary M800 and M880 models, the MoTeC M600 reflects the demand for sophisticated electronics to control today's highly evolved engines.

Engine Tuning Features

- Windows based ECU Manager tuning software with user definable screen layouts
- Individual cylinder tuning of both fuel delivery and ignition timing
- Suits modern engines, including those with coil per cylinder ignition
- 4D fuel and ignition tables for engine mapping based on three channels ‡
- Selectable channels for table axes ‡
- Fully configurable axis points on all tables ‡
- Highly configurable crank and cam trigger inputs to suit almost all OEM sensors and tooth patterns
- Free access to wideband Lambda and data logging for initial tuning. Available for the first 8 hours engine running time



Additional Distinct Features

- Suitable for engines requiring the latest complex control functions, such as:
 - Continuously variable camshaft control (up to 2 inlet and 2 exhaust cams)
 - Drive by wire throttle control
- Capable of all other modern control functions, such as:
 - Traction control
 - Overrun boost enhancement (anti-lag)
 - Gear change ignition cut (flat shifts)
 - Boost control
 - Nitrous injection
 - Dual stage injection (Hi/Lo injection)
- Fully configurable sensor inputs including custom calibrations
- Configurable receiving and transmitting data via the CAN bus
- Capable of receiving data from multiple Lambda measurement devices via CAN
- Integrated advanced diagnostics, including injector & crank trigger diagnostics
- Switchable between multiple configurations ‡
- Ref/Sync capture displayed on the built-in digital oscilloscope ‡

Data Acquisition

- Internal data logging (512 kB) with fast download via CAN
 - Three engine histogram logs including a tell-tale log ‡
 - State of the art i2 Standard or i2 Pro data analysis software
- Upgradable with optional functionality to make additional features available when you want them, activated through a simple password system.

Part No. M600

Outputs

- 6 x Injector outputs—high or low ohm
- 6 x Ignition outputs
- 8 x Auxiliary outputs—for functions such as camshaft control, drive by wire throttle, boost control, nitrous injection, idle speed stepper motor and many more

Inputs

- 8 x Analogue voltage inputs—fully configurable including custom calibrations
- 6 x Analogue temperature inputs—fully configurable including custom calibrations
- 2 x Wideband Lambda inputs—for Lambda measurement and control
- 4 x Digital/speed inputs—for wheel speeds and function activation

Communications

- 1 x CAN
- 1 x RS232

Physical

- Case size 147 x 105 x 40 mm
- Weight 500 gram
- 1 x 34 pin and 1 x 26 pin waterproof connector with gold plated contacts

‡ Only available with Version 3 software