



Race smart.

MoTeC Europe Ltd.

PRODUCT CATALOGUE - APRIL 2011



Engine Management, Data Acquisition, Power Distribution & Accessories

www.motec.com



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APRIL 2011



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TERMS & CONDITIONS

- All prices quoted are in Pounds Sterling and are exclusive of VAT
- Freight charges are additional or by prior arrangement
- All MoTeC products are guaranteed for 2 years. Third-party products carry the warranty of the original manufacturer
- Contact MoTeC for details of your nearest authorised dealer
- Telephone orders MUST be confirmed by fax, post, or email
- Product and company names are trademarks or trade names of their respective companies
- Goods returned for credit must be received within 7 days from date of invoice in as new condition and include all supplied accessories. A 10% re-stocking fee will be applied to all returns received after this period.
- P.O.A. = Price On Application; T.B.C. = To Be Confirmed; F.O.C. = Free Of Charge

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Product Catalogue Contents

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MoTeC's VCS Video Capture System is a professional quality integrated in-car camera, video recording and data overlay system. Designed, built and robustly housed to handle the harsh environments of motorsport the VCS records video and audio using the MPEG-2 video compression format at broadcast quality. Reliable and yet compact and lightweight it uses 12V vehicle power, so no recharging. Different analogue gauge sets can be recorded and displayed live on the video.

The CAN interface system enables easy connection to MoTeC and most other ECU's and Loggers to pick up data. Fast USB download and Video player software has fast playback and side by side comparison facility and DVD burning is fast and simple to use. The Video Capture System are supplied as a kit with either a 4 GB or a 16 GB memory and one or two cameras. The VCS is capable of recording the inputs from two cameras to provide picture - in - picture display and side by side comparison. Videos recorded on the VCS can be synchronised for data/video post processing in MoTeC's renowned **i2 Pro** Analysis software.

VCS Pro Video Capture Systems

Part No.

VCS Pro Video Single Camera System - 4G memory	18201
VCS Pro Video Dual Camera System - 4G memory	18205
VCS Pro Video Single Camera System - 16G memory	18204
VCS Pro Video Dual Camera System - 16G memory	18206

Spares & Accessories

Part No.

Spare system components

VCS Pro Video Recorder unit - 4G	18201C
VCS Camera with Bindex connector	18202
VCS Microphone with Bindex connector	18203

Cables & accessories

Cable Assembly - VCS Adaptor loom	61148
Cable Assembly - USB Mini B to USB A Male	61149
Loom - 5 pin Autosport - 4Metre	61154
VCS 16G Flash memory upgrade card	61159
VCS Roll Cage Mounting Kit	65076
VSM Video Sync Module	61122





MoTeC Power Distribution Modules (PDM) are designed to replace conventional relays, fuses and circuit breakers, simplifying wiring and reducing weight while increasing reliability. They not only provide electronically switched power to various systems in the vehicle, but can also provide full diagnostic information, including output currents and error status, enabling teams to monitor the entire vehicle via telemetry. New for 2009 are the PDM15 and PDM30 low cost variants.

Power Distribution Modules	Part No.
PDM16 Power Distribution Module	14102
PDM32 Power Distribution Module	14100
PDM15 Power Distribution Module	14104
PDM30 Power Distribution Module	14103

PDM Connectors	95560	Part No.
PDM15/30 Input/Output		
PDM15/30 Connector Kit		95560
PDM16/32 Input/Output		
PDM16/32 8-way Connector (AS616-08SN)		68088
PDM16/32 26-way Connector (AS616-26SN)		68086
PDM32 37-way Connector (AS614-35SN)		68100

PDM16/32 Battery+ Connector (ASHD614-1SN-C25)

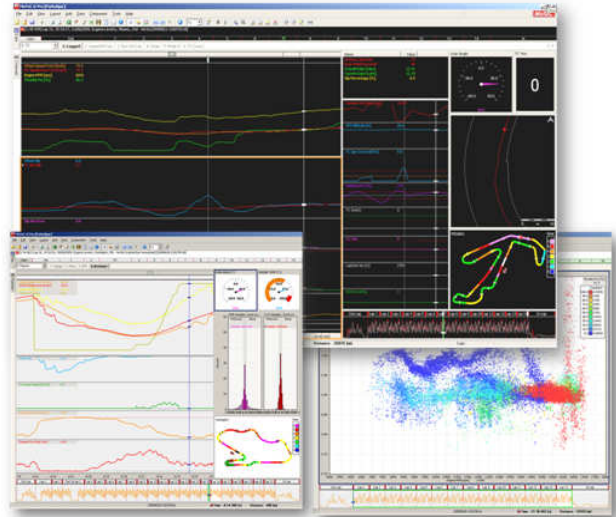
We can supply the a 1m length of 25mm

PDM Battery+ connector pre-crimped onto battery cable with either a straight boot, or

PDM Batt+ Connector, 1m cable, straight boot	68062
PDM Batt+ Connector, 1m cable, 90° boot "Left" orientation	68063
PDM Batt+ Connector, 1m cable, 90° boot "Right" orientation	68064

PDM15/30 Battery Cable

PDM15/30 1m Battery Cable with pre-crimped terminal	79143
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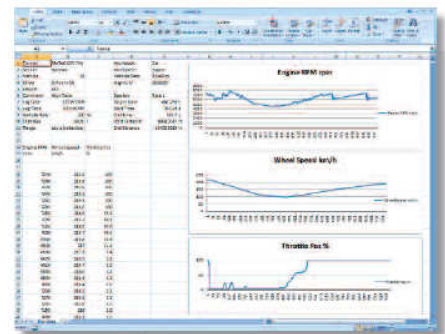
MoTeC's *i2 Pro* Data Analysis software now includes new Feature Licences that can be purchased to activate a particular feature on one physical computer for a nominated length of time. The first features released include Licences to analyse non-*i2 Pro* log files using *i2 Pro* and a Licence to manipulate log files via an API (Application Programming Interface).

LICENCE TO OPEN MoTeC STANDARD LOG FILES

- Allows individual PCs to open any MoTeC log file in *i2 Pro*
- Log files can be analysed using all *i2 Pro* features but will be saved in their original format
- Particularly useful for those that use *i2 Pro* software on one computer to analyse **Standard** and/or **Pro** log files from many MoTeC logging devices

LICENCE TO IMPORT PI ASCII DATASET

- Allows individual PCs to convert exported Pi ASCII files into *i2 Pro* files, via the *i2 Pro* File Conversion Wizard
- Ideal for MoTeC users who previously had a Pi logging system and would like to analyse this data in *i2 Pro* alongside their current data, or for existing Pi users to take advantage of *i2 Pro*'s extensive analysis features



i2 API LICENCE

- Provides access to and manipulation of MoTeC log files from tools such as MS Excel, MATLAB, Visual Basic and Visual C# for custom processing or external analysis of data generated in *i2 Pro*
- Enables the *i2* Application Programming Interface that can be used from any language that supports COM technology
- The functionality of the *i2* API software object includes:
 - Loading any MoTeC log file (.ld file)
 - Reading MoTeC log file data including channels, ranges, laps, beacons and details
 - Creating new *i2 Pro* log files and channels from code

i2 Activation Codes & Licences

Part No.

Open i2 Standard Files (1 Year)	22011
i2 API Licence (1 Year)	22021
Import Pi ASCII Files (30 days)	22030
Import Pi ASCII Files (1 Year)	22031

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SDL3 Sport Dash Logger

Part No.

The Sport Dash Logger (SDL3) is an upgraded replacement for the SDL2. New features include:

- Logging memory up to 120 MB
- Fast Ethernet download
- Greater processing power
- Logging of up to 500 samples per second
- Input expansion via E888 Expanders
- 2 more speed inputs than SDL
- Two separate CAN buses
- Internal 3-axis G sensor



Mating connector not included

SDL3 Advanced Dash Logger

The SDL3 comes standard as a combined display and powerful control device in one lightweight unit. With the addition of the Data Logging upgrade it can become a fully programmable data logger with a 16 or 120 MB memory. The optional backlit version has an inbuilt voltage inverter to power the LCD backlight. The ESDL3 Enclosed Dash Logger is supplied to the same base specification as the SDL3 providing 16 or 120 MB logging and control where a display is not required.

SDL3 Advanced Dash Logger	18017
Backlit SDL3 Advanced Dash Logger	18018
ESDL3 Enclosed Dash Logger (includes 16MB logging enable)	18019
37 Pin Autosport SDL3 Connector (AS614-35SN)	68100

SDL3 Upgrades

Logging Enable (enables 16 MB logging memory)	29414
120 MB Logging Memory (upgrade from 16 MB to 120 MB)	29415
Pro Logging Advanced Analysis	29420

SDL Upgrades

Logging Enable (enables 8MB logging memory)	29214
Pro Logging Advanced Analysis	29220

ADL2 Upgrades

16MByte Logging Memory (upgrade from 8MB to 16MB)	29115
Extension to 50 Input/Outputs	29101
Pro Logging Advanced Analysis	29120
Telemetry Support	29121
Remote Logging (requires telemetry upgrade)	29122
Lambda Measurement Support	29102



ADL3 Advanced Dash Logger

Part No.

The Advanced Dash Logger (ADL3) is a powerful replacement for the ADL2. New features include:

- Logging memory up to 250MB
- Fast Ethernet download
- Logging of up to 1000 samples per second
- Input expansion via E8xx Expanders or VIMs
- 2 more AV inputs than ADL2
- Two separate CAN buses
- Internal 3-axis G sensor
-



Mating connector not included

ADL3 Advanced Dash Logger

The ADL3 is supplied as a standard dash logger with 16MB logging memory. The optional backlit version has an inbuilt voltage inverter to power the LCD backlight. The EDL3 Enclosed Dash Logger is supplied to the same base specification as the ADL3 providing 16MB logging and control where an integral display is not required



ADL3 Advanced Dash Logger	18014
Backlit ADL3 Advanced Dash Logger	18015
EDL3 Enclosed Dash Logger	18016
79 Pin Autosport ADL3 Connector (AS620-35SN)	68080

ADL3 Upgrades

250MByte Logging Memory (upgrade from 16MB to 250MB)	29315
Extension to 52 Input/Outputs	29301
Pro Logging Advanced Analysis	29320
Telemetry Support	29321
Remote Logging (requires telemetry upgrade)	29322

Central Logging System

Part No.

The MoTeC Central Logging System has been developed as the ultimate acquisition tool for those that place high demands on their data system. This system consists of an ACL (Advanced Central Logger) plus multiple VIMs (Versatile Input Modules). **Mating Connectors not included**

ACL Advanced Central Logger

ACL Advanced Central Logger (inc. 1GB card, pro analysis, and Ethernet comms lead)	18105
22 Pin Autosport ACL Connector (AS612-35SN)	68087



ACL Upgrades

Telemetry Support	25021
Remote Logging (requires telemetry upgrade)	25022

SVIM Versatile Input Module

SVIM Versatile Input Module	18111
5 Pin Autosport VIM CAN/Power Connector (ASL606-05SN)	68098
55 Pin Autosport VIM Sensor Connector (AS616-35SN)	68090





MDD Mini Digital Display

Part No.

The MDD is a remote LCD Display for use as a satellite display for all ECUs or loggers. The unit is also available as an uncased OEM unit to allow integration into your own design of steering wheel. The MDD Input Kit is available as an add-on to the standard MDD and includes an extra loom to allow buttons and switches to be wired directly to the MDD for transmission via the CAN bus.

MDD Mini Digital Display

18011

MDD OEM (uncased MDD for steering wheel integration)

18012

MDD Input Kit (loom and new backplate. MDD not included)

61115

MDD Steering Wheel



The MDD is also available integrated into a steering wheel assembly, complete with buttons and shift lights. The wheel has been used in a variety of single seater and sportscar applications, including numerous Le Mans cars and an IndyCar. The wheel is also available with an integrated SLM Shift Light Module. Please contact us to discuss your requirements. (Please Note: Units are made to order)

MDD Steering Wheel

79400

Lap Timing

Part No.

MoTeC BTX Beacon Transmitter

15500

MoTeC BR2 Beacon Receiver

15512

Beacon Accessories

5 Pin Autosport BR2 Connector (ASL606-05SN)

68098

BR2 Configuration Loom (for programming advanced features)

61048

Replacement BTX Power Lead

61033

Expansion Modules

Part No.

These CAN-based Expansion modules provide extra inputs and outputs when connected to a logger or ECU. The E888 features 8 AV inputs and 8 thermocouple inputs with inbuilt amplifiers, whereas the E816 has 16 AV inputs. Both feature extra digital inputs, and 8 outputs.

E888 Expander Module (supplied with plastic connectors)

14007

E816 Expander Module (connector not supplied)

14008

66 Pin Autosport E816 Connector (AS618-35SN)

68089

Accessories

Part No.

STC Serial to CAN Converter

Provides conversion of serial data to CAN format, allowing serial devices to be connected to an SDL/ADL2/ADL3/ACL via the CAN bus. Baud Rate settings should be confirmed at time of order

STC Serial to CAN Converter

61125

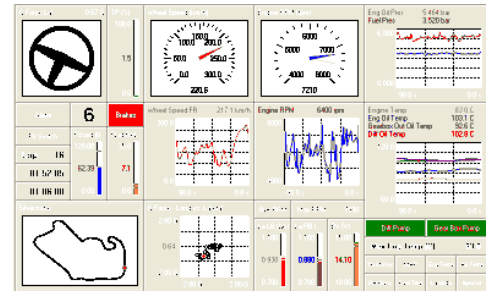


Radio Telemetry

Part No.

MoTeC Europe offer several options of telemetry kit depending on the requirements of the user, so please contact us to discuss the most suitable kit for your application, or if you require spare parts for an existing kit.

Please note your ADL2, ADL3, ACL, or ECU must be enabled for telemetry to operate with the Radio Telemetry kits. If not already enabled, you will need to add the cost of this to the telemetry kit prices



NOTE: It is the user's responsibility to ensure the system conforms to local legislation at every circuit, and that all relevant radio licences have been organised. Required frequency and channel spacing/bandwidth should be quoted at the time of order.

Basic Telemetry Kit (1W radios)	79100
10W Telemetry Kit (10W radio for car, 1W radio for pit)	79200
Diversity Reception Telemetry Kit (10W radios, 2 pit antennae)	79300

IMPORTANT NOTE: The above telemetry kits are built to order and are non-refundable

GPS Units

Part No.

GPS Units allow vehicle position, speed, and heading data to be sent to a MoTeC logging device, which can then be used for the drawing of track maps and analysis of driving lines in the i2 analysis software. GPS units can also be used for Lap Timing instead of an infrared beacon, when used in conjunction with an SDL, ADL2, ADL3, or ACL. **Note: we do not recommend the Budget 5 HZ GPS unit for use in applications where high levels of vibration are likely to be experienced.**

Budget range - 5Hz GPS

The GPS-G1 is a 5Hz GPS that is suitable for less demanding motorsport applications and other applications such as PWC installations and comprises a GPS unit with an inbuilt antenna.



5Hz GPS-G1 GPS Unit	41300
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Professional 10Hz / 20Hz GPS

The Professional GPS unit consists of a base unit in a professional aluminium case with Autosport connector, and a separate antenna. The units are available with update rates of 10Hz or 20Hz, and can be specified to transmit GPS data either via RS232 or via CAN through an external MoTeC STC part no 61125. **Baud rate should be confirmed at time of ordering. Mating connector not included**



Pro 10Hz GPS (RS232 comms only)	41303
Pro 20Hz GPS (RS232 comms only)	41304
STC Serial to CAN Converter	61125

Accessories

13 Pin Autosport Professional GPS Connector (AS610-35SA)	68010
Spare GPS Antenna for Professional Unit	41305



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Engine Management Systems

APRIL 2011

M4 ECU

Part No.

The M4 features four injector drivers, and the M4 Pro has the Advanced Tuning and Data Logging option as standard. **Includes mating connector**

MoTeC M4-3DFIS ECU (3D Fuel/Ignition/Sequential)	10002
MoTeC M4-PRO 3DFISA ECU (Advanced & Logging)	10003

M4 ECU Upgrades

M4 Advanced & Logging Upgrade	26004
M4 Logging Only Upgrade (512kB)	26005
M4 Lambda Upgrade (requires advanced & logging upgrade)	26006
M4 Telemetry Upgrade	26008
M4 Remote Logging Upgrade (requires telemetry upgrade)	26009



Lower Price!

M48 ECU

Part No.

The M48 features eight injector drivers, and the M48 Pro has the Advanced Tuning and Data Logging option as standard. **Includes mating connector**

MoTeC M48-3DFIS ECU (3D Fuel/Ignition/Sequential)	11002
MoTeC M48-PRO 3DFISA ECU (Advanced & Logging)	11003

M48 ECU Upgrades

M48 Advanced & Logging Upgrade	27004
M48 Logging Only Upgrade (512kB)	27005
M48 Lambda Upgrade (requires advanced & logging upgrade)	27006
M48 Telemetry Upgrade	27008
M48 Remote Logging Upgrade (requires telemetry upgrade)	27009

MLS & M2R ECUs

Part No.

The MLS and M2R ECUs are derived from the M4 ECU, and are customised for more specific applications. **Includes mating connector**

MLS ECU (for Chevrolet LS1 and Lexus 1UZFE V8 Engines)	10005
M2R ECU (dedicated to 2 rotor engines)	10006

MLS ECU Upgrades

MLS Advanced & Logging	26014
MLS Logging Only Upgrade (512kB)	26015
MLS Lambda Upgrade (requires advanced & logging upgrade)	26016

M2R ECU Upgrades

M2R Advanced & Logging	26024
M2R Logging Only Upgrade (512kB)	26025
M2R Lambda Upgrade (requires advanced & logging upgrade)	26026



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M84 ECU

Part No.

The NEW versatile MoTeC M84 ECU delivers a unique package of professional level features at an entry-level price. The M84 is suitable for a broad range of high performance engine applications, including engines with up to 8 cylinders. It also suits rotary engines with twin, triple or quad rotors.

Based on the same advanced technology pedigree as MoTeC's world-renowned benchmark M800 ECU. The M84 ECU shares the same sophisticated processor and Windows software platform but with a package of features to suit more moderate system requirements.

The entry-level price includes permanently enabled on-board Wideband Lambda Plus 512kB of data logging memory as standard.



M84 Features

- Shares the same advanced technology pedigree as the M800/M880 ECU
- Programmable, sequential control of engines up to 8 cylinders and quad rotaries
- Individual dual cylinder tuning of both fuel delivery and ignition timing
- Suits modern engines, including those with coil per cylinder ignition
- Accommodates almost all OEM sensors and factory trigger modes
- Integrated advanced diagnostics, including injector and crank trigger modes
- 8 Auxiliary outputs for user-defined functions such as boost control and spray bars
- Dedicated, Windows based ECU Manager software with sophisticated diagnosis and user definable screen layouts
- World class data analysis using MoTeC's i2 software
- Easy CAN connectivity to other MoTeC devices such as Dash & Shift Light Modules

M84 ECU

Part No.

M84 ECU

13084

M84 ECU Upgrades

Part No.

Advanced Functions (includes Hi-Lo, Traction, ORB, Gear cut)

27104

Hi-Lo Injection (secondary Injection)

27101

Traction Control & Launch Control (2, 3 or 4 wheel)

27102

Dual Lambda

27103

Over Run Boost (anti-lag)

27117

Gear Change Ignition Cut (flat shifts)

27118

M400 ECU**Part No.**

The M400 offers four injector drivers and four ignition outputs, and is a fully programmable management system ideal for engines up to four cylinders with sequential injection and multi-coil ignition. It is also well suited to twin rotary applications. Eight auxiliary outputs provide control for aftermarket devices and systems providing functions such as 3D boost control, nitrous injection, intercooler spray bars, idle speed, shift lights, warning alarms and many more. **Includes mating connectors**

**M400 ECU****13040****M400 ECU Upgrades**

M400 Advanced Functions Upgrade (allows anti-lag, traction and launch control, full throttle upshift, pit speed limiting, etc)

24105

M400 Logging Only Upgrade (512kB)

24101

M400 Lambda Upgrade

24102

M400 Drive by Wire (contact us for supported applications)

24112

M400 Camshaft Control (contact us for supported applications)

24116

M400 Over Run Boost

24117

M400 Pro Analysis

24104**M600 ECU****Part No.**

The M600 offers six injector drivers and six ignition outputs, and is a fully programmable management system ideal for engines up to six cylinders with sequential injection and multi-coil ignition. It is also well suited to triple rotary applications. Eight auxiliary outputs provide control for aftermarket devices and systems providing functions such as 3D boost control, nitrous injection, intercooler spray bars, idle speed, shift lights, warning alarms and many more. **Includes mating connectors**

**M600 ECU****13060****M600 ECU Upgrades**

M600 Advanced Functions Upgrade (allows anti-lag, traction and launch control, full throttle upshift, pit speed limiting, etc)

26105

M600 Logging Only Upgrade (512kB)

26101

M600 Lambda Upgrade

26102

M600 Dual Lambda Upgrade (requires single lambda upgrade)

26103

M600 Drive by Wire (contact us for supported applications)

26112

M600 Camshaft Control (contact us for supported applications)

26116

M600 Over Run Boost

26117

M600 Pro Analysis

26104

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M800 & M880 ECUs

Part No.

The **M800** offers eight injector drivers (with twelve as an option) and six ignition outputs, and is a fully programmable management system ideal for engines up to twelve cylinders with sequential injection and multi-coil ignition. **Includes mating connectors**



The **M880** has the same facilities as the M800 but includes the Advanced Functions Upgrade, Single Lambda, 1MB Logging Memory, Autosport Connector & option to expand to 4MB logging memory. **Mating connector not included**

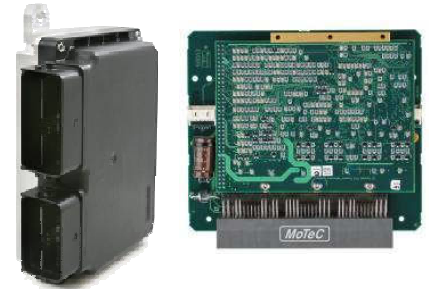
M800 ECU Standard Tuning	13001
M880 Professional	13002
66 Pin Autosport M880 Connector (AS618-35SN)	68089

M800 & M880 ECU Upgrades

Part No.

M800 Advanced Functions Upgrade (<i>allows anti-lag, traction and launch control, full throttle upshift, pit speed limiting, etc</i>)	28105
1Mb Logging Memory (<i>M800 only</i>)	28101
4Mb Logging Memory (<i>M880 only</i>)	28108
Pro Logging Advanced Analysis	28104
Single Lambda Support	28102
Dual Lambda Support (<i>requires single lambda upgrade</i>)	28103
Telemetry Support	28107
Remote Logging Upgrade (<i>requires telemetry upgrade</i>)	28109
10/12 Cylinder Sequential Support	28111
Drive by Wire (<i>contact us for supported applications</i>)	28112
Multi-Pulse Injection and Multi-Spark Ignition	28115
Servo Motor & Stepper Motor Drive	28113
Camshaft Control (<i>contact us for supported applications</i>)	28116
M800 Over Run Boost	28117

The **M800 OEM** is designed as a Plug-In ECU for Mitsubishi and Subaru applications and is based on the M800 ECU. The Plug-In ECU is designed to use the vehicle's existing wiring, with no need to remove or add sensors. Customised with OEM connectors, these replacement boards eliminate the need for adaptor looms, and fit straight into the factory ECU box. The M800 OEM has all the facilities of the M800 except it can only drive low current type Fuel Injectors. **Now including** the Plug-In ECU for the Mitsubishi EVO X



The **Diff Controllers** offers direct replacements for Mitsubishi and Subaru driver-controlled centre differentials, allowing a number of user-defined configurations to determine the operating characteristics of the centre differential. **Now included** the MDC2 Diff Controller for the Mitsubishi EVO X RS & GSR

Mitsubishi	Part No.
M800 OEM Plug-In ECUs	
<i>NOTE: EVO 9 versions require the addition of part 28116 cam control upgrade</i>	
Mitsubishi EVO 4-8 (4 plug)	13009A
Mitsubishi EVO 4-8 AL (inc. anti-lag without adv. functions)	13009AL
Mitsubishi EVO 8/9 (3 plug, for EVO 8 MR/GSR and EVO 9)	13010A
Mitsubishi EVO 8/9 AL (inc. anti-lag w/o advanced functions)	13010AL
Mitsubishi EVO 9 cam control upgrade	28116
Mitsubishi EVO X RS-GSR (inc cam control and DBW)	13014A
<i>NOTE: It is essential to specify at time of ordering if you require an RS or GSR version</i>	
Diff Controllers	
MDC Mitsubishi Diff Controller (EVO 7,8 and 9)	14012
MDC2 Mitsubishi Diff Controller (EVO X RS-GSR)	14016
Subaru	Part No.
M800 OEM Plug-In ECUs	
<i>NOTE: Subaru STi versions require the addition of part 28116 cam control upgrade</i>	
Subaru Version 5-6	13004A
Subaru Version 5-6 AL (inc. anti-lag without adv. functions)	13004AL
Subaru Version 7/8 (WRX, UK/Jap/USA versions)	13008A
Subaru Version 7/8 AL (inc. anti-lag without adv. functions)	13008AL
Subaru Version 9/10 (includes cam and DBW)	13012A
Subaru STi Cam Control Upgrade	28116
Diff Controllers	
MoTeC SDC1 Subaru Diff Controller (WRX STi 2003)	14009
MoTeC SDC2 Subaru Diff Controller (2004/5/6 models)	14010
MoTeC SDC3 Subaru Diff Controller (2008 models)	14015

MoTeC PWC Plug-In ECU kits are fully programmable, direct replacements for factory ECUs on a select number of popular PWC models, based around the M400M Marine ECU. The system can be purchased as a kit complete with an adaptor wiring loom, mounting brackets and DBW upgrade where required. PWC Plug-In kits are convenient and cost effective to install because they eliminate the need to rewire the PWC. They simply plug into the factory wiring harness using the original sensors and fuel system. Alternatively the parts can be bought individually.



YAMAHA



KAWASAKI



SEA-DOO




HYDROSPACE




PWC Models

Part No.

M400 PWC Kit for YAMAHA FX-SHO, FZS/FZR	13041
M400 PWC Kit for KAWASAKI ULTRA 250X, 260X	13042
M400 PWC Kit for SEA-DOO RXP, RXP-X, RXT	13043
M400 PWC Kit for HYDROSPACE S4	13044
M400 PWC Kit for SEA-DOO 2010 RXT-X-260, 260iS 	13045

Accessories

Wiring Adaptor Kit for Yamaha FX-SHO, FZS/FZR	61143
Wiring Adaptor Kit for Kawasaki Ultra 250X, 260X	61151
Wiring Adaptor Kit for SEA-DOO RXP, RXP-X, RXT	61157
Wiring Adaptor Kit for HYDROSPACE S4	61160
Wiring Adaptor Kit for SEA-DOO 2010 RXT-X-260, 260iS 	61170
Wiring Loom only for Yamaha FX-SHO, FZS/FZR	61142
Wiring Loom only for Kawasaki Ultra 250X, 260X	61144
Wiring Loom only for SEA-DOO RXP, RXP-X, RXT	61155
Wiring Loom only for HYDROSPACE S4	61166
Wiring Loom only for SEA-DOO 2010 RXT-X-260, 260iS 	61171
Marine M400 ECU	13040M
Yamaha Injector YP 725cc	34016
Yamaha Injector Connector Kit Uscar	34017
Yamaha Adaptor Top 11mm for YP Injector	34018



ECU Accessories

Part No.

ECU Accessories include a mating connector unless otherwise stated

Ignition Expander	14001
AS Connector Ignition Expander (needs connector 68087)	14006
Traction Control Multiplexer	14002
AS Connector TC Multiplexer (needs connector 68087)	14005
Pierburg Boost Control Valve (includes connector)	58004
3 Port Boost Control Valve	58020
M4/M48 SUU Software Update Unit	63008

ECU Accessory Connectors

22 Pin Autosport IEX/TCMux Connector (AS612-35SN)	68087
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DBW-4 Drive By Wire Module

Part No.

*The DBW-4 works with M400/M600/M800/M880 ECUs running firmware V3.30T and later, and provides 4 PID Controllers for drive by wire control, or generic PID control for servo motors. The use of a DBW-4 does not require a DBW upgrade in your ECU. **Mating connector not included***

MoTeC DBW-4	14011
66 Pin Autosport DBW-4 Connector (AS618-35SN)	68089

Knock Monitoring and Control

Part No.

Knock Modules work with vehicle knock sensors to provide individual cylinder closed loop knock control, allowing tuners to safely optimise high performance ignition maps. There is a standalone module and a version specifically designed to mount onto an M800 Plug-In ECU. A competent tuner needs to carry out a frequency analysis to determine the target frequency and knock module settings. This is highly specialised work.

MoTeC Knock Modules will only be available through authorised dealers that have undertaken specific training

OKM Onboard Knock Module (for M800 P&P ECUs)	53115
Mitsubishi EVO X OKM Onboard Knock Module	53121
SKM Standalone Knock Module	53116
Knock Sensor Loom (for use with SKM)	61114

DHB Dual Half Bridge

Part No.

*The DHB is a high current amplifier which allows low current auxiliary outputs to drive high current loads such as motors. It contains two high current half bridge outputs, and connects to any auxiliary output of a MoTeC ECU or Dash Logger, which performs the control function, such as PWM speed control, direction control or servo control. **Mating connectors not included***

DHB Dual Half Bridge (needs connectors 68050, 79121, and 79125 — see page 24)	41213
--	--------------

**LTC Lambda To CAN Module**

Part No.

MoTeC's LTC (Lambda to CAN) modules monitor, control and diagnose Bosch LSU 4.9 Lambda sensors, transmitting readings on a CAN bus. When multiple LTCs are used, up to 32 Lambda sensors can be configured on a single CAN bus, allowing a CAN-enabled ECU or logging device to simultaneously monitor numerous Lambda sensors. The LTC is also available as a dual version LTCD to work with two sensors into one module



LTC Lambda to CAN Module

61300

LTCD Dual Lambda to CAN Module

61301

PLM Professional Lambda Meter

Part No.

PLM Professional Lambda Meter with LSU Sensor and Loom

15003

PLM Professional Lambda Meter with NTK Sensor and Loom

15002

PLM Professional Lambda Meter with LSU 4.9 Sensor & Loom

15005

PLM Professional Lambda Meter only

15004

Standard 2.6m PLM Loom (available individually as a spare)

61038

10m Bosch PLM Extension Loom

61045

PLM NTK Adaptor Loom

61105

PLM Bosch LSU 4.9 Adaptor Loom

61118

Lambda Sensors & Accessories

Part No.

Bosch Wide Band Lambda Sensor (LS11 for M4/M48/M8)

57001

Bosch LSU 4.0 Lambda Sensor (for M800 series and PLM)

57003

Bosch LSU 4.9 Lambda Sensor (for M800 series, PLM, LTC)

57006

NTK Lambda Sensor (for M800 series and PLM)

57007

Stainless Steel Weld-on Boss Including Bung

59002

Bosch LSU 4.0 Connector

64006

Bosch LSU 4.9 Connector

64010

M800 OEM Lambda Adaptor (300mm from OEM to DTM plug)

61044

M800 OEM LSU 4.0 Adaptor (3m from DTM to LSU 4.0 plug)

61050

M800 OEM LSU 4.9 Adaptor (2m from DTM to LSU 4.9 plug)

61051

Fuel System Components**Fuel Injectors**

Part No.

Bosch Electronic Injector 351/363 (556cc/min. @ 2.5bar)

34363

Bosch Electronic Injector 803 (523cc/min. @ 5bar)

34803

Bosch Electronic Injector 737 (439cc/min. @ 5bar)

34737

Bosch Electronic Injector 403 (382cc/min. @ 5bar)

34403

Bosch Electronic Injector 007

34007

Injector Fitting Kits

34100

CDI Capacitive Discharge Ignition**Part No.**

The **CDI/4** can be used as an ignition driver from an ECU to drive up to 4 individual high energy CDI coils. **Mating connector included**

The **CDI/8** can be used as an ignition driver from an ECU to drive up to 8 individual high energy CDI coils or can be used with external sensors as a stand-alone system. As a stand-alone unit it can be programmed from a PC running on its own dedicated sensors. **Mating connector not included**



MoTeC CDI/4 (for use with an ECU)	41003
MoTeC CDI/8	14004
26 Pin Autosport CDI/8 Connector (AS616-26SN)	68086
1000Hz Single Channel CDI Module (for use with an ECU)	41013
650Hz Dual Channel CDI Module (for use with an ECU)	41005

Ignition Coils & Amplifiers**Part No.****Ignition Coils**

Single Coil	42001
Denso Single Coil (built-in amplifier, includes connector)	42012
Bosch Single Coil	42014
Bosch 4 Cylinder Coil Pack (wasted spark)	42025
CDI Coil (PS92)	42020
CDI Coil (wasted spark)	42021
Bosch 6 Cylinder Coil Pack (wasted spark)	42022
Single Mercury CDI Coil	42011
Single CDI Coil	42030
Bosch HT Coil Connections	46001
Bosch HT Coil Covers	46002

Ignition Amplifiers

IGN4 - Compact Quad Channel Ignition Amplifier (Please contact us before ordering)	41212
Single Channel Ignition Amplifier	41124
Single Channel Ignition Amplifier (with tacho. output)	41008
Dual Channel Ignition Amplifier	41200
Triple Channel Ignition Amplifier	41203
Triple Channel Ignition Amplifier (dual connector)	41205
Quad Channel Ignition Amplifier (dual connector)	41204
Ignition Combiner (provides a tacho output — refer to MoTeC drawing A10)	53110



**CAN Communications****Part No.**

CAN is used for laptop communications with M400/M600/M800/M880, SDC1/SDC2/MDC, old-style ADL8, BR2, and the new PDM16 and PDM32. The CAN cable connects to a PC parallel port, whereas the UTC allows CAN communication via a USB port.

UTC USB to CAN Converter	61059
CAN Communications Cable	61021
CAN Cable and UTC Loom Connector (in line)	65038
CAN Cable and UTC Loom Connector (panel mount)	65030
CAR Cable (vehicle loom CAN interface)	61022
M800 OEM CAN Adaptor (also for SDC1/SDC2)	61046

USB Communications**Part No.**

USB is used for laptop communications with the SDL and ADL2/EDL2.

USB Cable Terminated in Autosport Sockets (1m)	61067
USB Cable Terminated in Autosport Sockets (1.8m)	61068
2m USB Cable	79140
USB Bulkhead Connector and Cap	90100

Ethernet Communications**Part No.**

Ethernet is used for laptop communications with ADL3, EDL3, SDL3, ESDL3 and ACL. We now supply a Bulkhead Ethernet cable terminated with Autosport sockets..

ACL Ethernet Communications Cable	61112
Ethernet RJ45 Bulkhead to Autosport Sockets 1.8M	61132

NOTE: You will also need a standard RJ45 cable to work with this product

**Serial Communications****Part No.**

A serial connection is used for laptop communications with M4, M48, M8 ECUs, and the PLM,

2m PCI Cable (M48, M8 and early M4)	63003
6m PCI Cable (M48, M8 and early M4)	63004
RS232 Comms Cable (M4e and PLM)	61070
CIM Kit (ECU to SDL/ADL/ADL2 Interface for M4, M48, M8)	61027
D9 Adaptor (for use with PCI cable on M4 <3000, M48, M8)	61010
D9 – 232 Adaptor (M4 only)	61016
D9 Adaptor (Mitsubishi/Subaru for M48 OEM conversion)	61012/3
D9 Mil Spec Adaptor (for mil spec M4, M48, and M8 ECU)	61011
USB to Serial Adaptor	90099

*Need a connector fitted? See page 24 for details of our Sensor Termination Service***Speed Sensors****Part No.**

Speed sensors are used to measure cam and crank position, or wheel speed. Hall Effect sensors provide an open collector output, suitable for REF/SYNC and digital inputs on ECUs, and digital or speed inputs on Dash Loggers. Inductive sensors output a voltage waveform due to a changing magnetic field, and are suitable for use on REF/SYNC inputs on ECUs, and speed inputs on Dash Loggers.

Hall Effect Sensors

GT101 (19mm plastic body)	57101
Miniature Vane Sensor (plastic body)	57109
Threaded Hall Probe (M12x1, 36mm stainless steel body)	57111

Inductive Sensors

Inductive Probe (7/16 x 20tpi threaded steel body)	57114
Magnet for Sensor 57114	57115
Magneti Marelli SEN 8D Sensor	57104

Magnetic to Hall Speed Sensor Conversion

The DMC-D converts signals from two magnetic speed sensors into 'Hall Effect' signals, suitable for digital inputs. The DMC-D is housed in a 12-way DTM male connector, so requires a 12-way DTM female connector (not supplied) for a wiring loom interface.

DMC-D Dual Magnetic Converter	53118
12 Way Female DTM Connector Kit for DMC-D	68060

Pitot Tubes**Part No.**

Pitot Tubes are used for air speed measurement, which gives a reference speed when analysing aerodynamic performance data. The assembly supplied by MoTeC Europe includes a pitot tube and attached differential pressure sensor. The sensor is calibrated and logged as a pressure difference, which is then converted into an air speed value in i2 Pro using a maths function.

Note: lead time on Pitot Tubes is normally 3-4 weeks from time of order

130mm Pitot Tube Assembly	25mbar (up to ~230km/h)	53204
	50mbar (up to ~330km/h)	53205
	70mbar (up to ~390km/h)	53206
300mm Pitot Tube Assembly	25mbar (up to ~230km/h)	53207
	50mbar (up to ~330km/h)	53208
	70mbar (up to ~390km/h)	53209

Temperature Sensors	Part No.
Variable Resistance	
Delco Air Temperature (3/8 NPT)	54001
Bosch Air Temperature (M12x1.5)	54002
Air Temperature with Fly Lead (M10x1)	54003
Air Temperature with Fly Lead (M12x1.5)	54005
Bosch -40 to 150°C Fluid Temperature (M12x1.5)	55002
Bosch -40 to 150°C Fluid Temperature (M10x1)	55003
-30 to 150°C Fluid Temperature with Fly Lead (M12x1.5)	55005
-30 to 150°C Fluid Temperature with Fly Lead (M10x1)	55004
Delco Air Temperature Sensor Connector Kit	64001
Bosch 2 Pin Female Connector Kit	65008
Thermocouples	
<i>K type thermocouples are often used to measure exhaust temp. If used with an ECU or Dash Logger, an Amplifier is required. If used with an E888 or VIM, the amplifier is not required.</i>	
MoTeC Thermocouple Amplifier	58008
K type Thermocouple Kit (150mm probe length)	58005
K type Thermocouple Kit (75mm probe length)	58009
1/8NPT Thermocouple Stainless Steel Fitting and Gland Nut	58012
K type Sensor Female Socket	58017
K type Sensor Male Plug	65048
Non-Contact Infra Red	
<i>Infra Red sensors allow non-contact temperature measurement, and are often used for tyre or brake temperature monitoring.</i>	
0 – 150°C Infra Red Sensor (plastic body) (very limited stock)	52003
0 – 150°C Infra Red Sensor (aluminium body)	52009
0 – 1200°C Infra Red Sensor (best for carbon brakes)	52005
0 – 1000°C Infra Red Sensor (best for steel brakes)	52006
Manifold Pressure Sensors (Absolute)	
Part No.	
1bar High Accuracy Delco MAP Sensor (connector supplied)	53000
1bar Delco MAP Sensor (connector supplied)	53001
3bar Delco MAP Sensor (connector supplied)	53003
<i>These 4bar sensors feature a 3/8"UNF (-03) fitting.</i>	
4bar Standard Sensor (integral connector, with mating half)	58060
4bar Professional Sensor (flylead connection)	58040

Need a connector fitted? See page 24 for details of our Sensor Termination Service

Fluid Pressure Sensors (Gauge)	Part No.
<i>5 and 10 bar sensors are for Fuel and Oil Pressure, with 170 bar sensors used for Brake Pressure</i>	
Basic VDO Sensors - 1/8" NPT Fitting	
5bar VDO Sensor (<i>screw terminals</i>)	58002
10bar VDO Sensor (<i>screw terminals</i>)	58003
Standard Sensors - 3/8" NPT (-03) Fitting	
10bar Standard Sensor (<i>integral connector, with mating half</i>)	58061
170bar Standard Sensor (<i>integral connector, with mating half</i>)	58062
Professional Sensors - 3/8" NPT (-03) Fitting	
5bar Professional Sensor (<i>flylead connection</i>)	58041
10bar Professional Sensor (<i>flylead connection</i>)	58042
100bar Professional Sensor (<i>flylead connection</i>)	58044
170bar Professional Sensor (<i>flylead connection</i>)	58043
Motion Sensors	
Part No.	
±4G Single Axis G Sensor (<i>ECU</i>)	57202
±4G Dual Axis G Sensor (<i>ECU and ADL2</i>)	57210
±4G Triple Axis G Sensor (<i>ECU</i>)	57203
±4G Single Axis G Sensor (<i>ADL2</i>)	57205
±4G Triple Axis G Sensor (<i>ADL2</i>)	57206
100°/s Single Axis Gyro	79130
150°/s Single Axis Gyro	79131
Strain Gauges	
Part No.	
<i>Gearshift load cells are used for flat shift functions, and we can supply kits for sequential or H-pattern gearboxes providing an amplified 0-5V output. We can also supply amplifiers for existing strain gauges. Note that strain gauge products are made to order so are subject to a lead time.</i>	
Sequential Gearshift Load Cell Kit	95004
H-Pattern Gearshift Load Cell Kit	95005
Strain Gauge Amplifier	95007
Motorcycle Quickshift Loadcell	79104
Rotary Position Sensors	
Part No.	
<i>Rotary potentiometers are used for measurement of parameters such as Throttle Position, Steering Angle, and Gear Barrel Position in sequential transmissions.</i>	
Standard D-drive Throttle Position Sensor (<i>right hand, black</i>)	56001
Standard D-drive Throttle Position Sensor (<i>left hand, white</i>)	56002
100° Sprung Shaft Potentiometer	59008
350° Sprung Shaft Potentiometer	59013
Multi Turn Steering Angle Kit (<i>10 turn pot, 2 gears, and belt</i>)	59006



Linear Position Sensors

Part No.

Linear potentiometers are mainly used for measuring damper or suspension movement, but can be used in a variety of other applications, such as throttle pedal position measurement.

50mm Linear Potentiometer	57152
75mm Linear Potentiometer	57153
100mm Linear Potentiometer	57156
150mm Linear Potentiometer	57155
200mm Linear Potentiometer	57158
75mm Slimline Linear Pot (Pop Joint) - Rear Suspension	79160
150mm Slimline Linear Pot (Pop Joint) - Front Suspension	79161
Rose Joint End for Slimline Potentiometers	79162



Ride Height Sensors

Part No.

Ultrasonic Ride Height Sensors allow detailed analysis on cars featuring significant aerodynamic performance. The sensors are available in a variety of measurement ranges, with two different levels of voltage output, depending on the type of input used on the data acquisition system. These sensors have been successfully used in single-seater and Le Mans Prototype, applications. Sensor supplied fitted with AS connector. Please contact us to discuss your requirements

0-5V (suitable for hi-res ADL2 AV inputs)	150mm Range	79315
	200mm Range	79316
	250mm Range	79317
0-10V (suitable for normal ADL2 AV inputs)	150mm Range	79318
	200mm Range	79319
	250mm Range	79320

Sensor Termination Service

Part No.

MoTeC generally supplies sensors with an unterminated fly lead so that you can choose which connector to fit, to match existing loom connectors, or budgetary constraints. However we now offer a termination service, to fit either a DTM or Autosport connector. In each case the sensor fly lead is covered with Raychem DR25 heatshrink, and the connector has a heatshrink boot for added protection. Default specifications are outlined below, however please contact us to specify alternative lead lengths, pinouts, or connector specifications

Autosport Connector Fitting

Default fitting of 5-pin AS male connector (ASL606-05PN), with lead length of 300mm from sensor body to back face of connector. Alternative AS keyways are available on request.

Pin 1	Ground
Pin 2	Signal
Pin 3	Power
Pin 4	N/C
Pin 5	N/C



Autosport Connector Fitting

78001 75.00

DTM Connector Fitting

Default fitting of 3-pin DTM male connector (DTM04-3P), with lead length of 300mm from sensor body to back face of connector.

Pin 1	Ground
Pin 2	Signal
Pin 3	Power



DTM Connector Fitting

78002 50.00

Wiring Looms**Part No.****Adaptor Looms**

If you require an adaptor loom as an interface between any of our M4/M48 or M400/M600/M800 / M880 ecu's and a particular vehicle we have most of the requisite circuit pin out drawings and components in stock.

Once we know the details of your vehicle and specific requirements we can recommend a choice of authorised specialist wiring manufactures from within our network who would be able to quote for and supply an adaptor loom to suit your application.

Unterminated Looms

M4 Cut-to-Fit Loom (2.5m unterminated)	61001
M48 Cut-to-Fit Loom (2.5m unterminated)	61002
M8 Cut-to-Fit Loom (2.5m unterminated)	61003
M400, M600, M800 & M84 Cut-to-Fit Loom (2.5m unterminated)	61004
M880 Cut-to-Fit Loom (2.5m unterminated)	61005
ADL Cut-to-Fit Loom (3m unterminated)	61020
ADL2 Cut-to-Fit Loom with USB (3m unterminated)	61099
ADL3 Cut-to-Fit Loom (3m unterminated)	61213
SDL Cut-to-Fit Loom (3m unterminated)	61023
SDL3 Cut-to-Fit Loom (3m unterminated)	62202

**ECU Connectors****Part No.**

36 Way MoTeC M4/M48/M8 Connector	65036
18 Way MoTeC M8/IEX/TCMux/CDI/4 Connector	65018
34 Way MoTeC M400/M600/M800/E888 Connector	65044
26 Way MoTeC M400/M600/M800/E888 Connector	65045
M800 Series Connector Kit	95560
Mitsubishi/Subaru ECU Connectors (16,22 & 26 way)	69012,3,4

ECU Connector Spare Pins

M800 Spares Pins	65546
M4/M48/M8/IEX/TCM Spare Pins	65024
Seals for M4/M48/M8/IEX/TCMux Pins	65025

All kits contain shell, contacts, and seals. Male/Female descriptions refer to the pin type, not the connector or housing shape.

Military Connectors**Part No.**

55 Way M8 Mil Spec ECU Connector	68078
32 Pin M4/M48 Mil Spec ECU Connector	68079
10 Pin to D9 Comms Plug Connector (M8, mil spec M4/M48)	68077

Autosport (AS) Connectors**Part No.****Autosport AS Connectors**

13 way Autosport GPS Connector (AS610-35SA)	68010
79 way Autosport ADL2 Connector (AS620-35SN)	68080
26 way Autosport PDM/CDI8 Connector (AS616-26SN)	68086
22 way Autosport ACL/TCMux/IEX Connector (AS612-35SN)	68087
8 way Autosport PDM16/32 Connector (AS616-08SN)	68088
66 way Autosport M880/E816/DBW4 Connector (AS618-35SN)	68089
55 way Autosport VIM Sensor Connector (AS616-35SN)	68090
37 way Autosport SDL/PDM Connector (AS614-35SN)	68100
AS Connector Sockets for MoTeC Product Connectors	68082
AS Connector Filler Plugs	68083

**Autosport ASL Connectors**

5 way ASL BR2/VIM Connector (ASL606-05SN)	68098
5 way Female ASL Connector (ASL106-05SN)	68102
5 way Male ASL Connector (ASL606-05PN)	68103
5 way ASL Ethernet Loom Connector (ASL106-05PN)	79102
5 way Flanged ASL Ethernet Loom Connector (ASL006-05PN)	79103
ASL Connector Sockets	68068
ASL Connector Pins	68069

**Autosport ASU Connectors**

3 way Female Autosport (ASU103-03SN)	65120
3 way Male Autosport (ASU603-03PN)	65121
ASU Connector Pins	68074
ASU Connector Sockets	68075

Pressure Sensor Connectors**Part No.**

Delco 1 Bar MAP Sensor Connector	64002
Delco 3 Bar MAP Sensor Connector	64003
Standard Pressure Sensor Spare Connector	65013



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Wiring & Connectors

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Bosch Connectors

Part No.

2 Way Male Kit	65007
2 Way Female Kit	65008
3 Way Female Kit	65012
4 Way Female Kit	65140
5 Way Female Kit	65142
6 Way Female Kit	65144
7 Way Female Kit	65010

DTM Connectors

Part No.

2 Way Female Kit	68050
2 Way Male Kit	68051
3 Way Female Kit	68052
3 Way Male Kit	68053
4 Way Female Kit	68054
4 Way Male Kit	68055
6 Way Female Kit	68056
6 Way Male Kit	68057
8 Way Female Kit	68058
8 Way Male Kit	68059
12 Way Female Kit	68060
12 Way Male Kit	68061

DTP Connectors (for DHB)

Part No.

2 Way Female Kit	79125
2 Way Male Kit	79121

AMP Connectors

Part No.

1 Way Female Kit	65216
1 Way Male Kit	65215
2 Way Female Kit	65201
2 Way Male Kit	65200
3 Way Female Kit	65203
3 Way Male Kit	65202
4 Way Female Kit	65205
4 Way Male Kit	65204
5 Way Female Kit	65207
5 Way Male Kit	65206
6 Way Female Kit	65209
6 Way Male Kit	65208



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Wiring & Connectors

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Cable		Part No.
Raychem Type 44 Cable		
	22g	20g
Black	90111	69999
White	90101	70004
Yellow	90102	70005
Green	90103	70007
Red	90104	70000
Blue	90105	70006
Pink	90106	70010
Brown	90107	70008
Orange	90108	70009
Grey	90109	70011
Violet	90110	70012
Special Cable		
3 Core Cable (22g with PTFE sleeving)		81003
High Temperature Ethernet Cable (for PC Comms)		79350
Heatshrink		Part No.
Heatshrink		
3.2mm diameter		62003
4.8mm diameter		62004
6.4mm diameter		62005
9.5mm diameter		62006
12.7mm diameter		62007
19.0mm diameter		62008
Adhesive-Lined Heatshrink		
3.2mm diameter		62020
6.4mm diameter		62022
12.7mm diameter		62024
19.0mm diameter		62025
Raychem DR25 Heatshrink		
1/8" diameter (3.2mm)		92003
3/16" diameter (4.8mm)		92004
1/4" diameter (6.4mm)		92005
1/2" diameter (12.7mm)		92006
3/4" diameter (19.0mm)		92007



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Wiring & Connectors

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Heatshrink Boots		Part No.
Raychem Heatshrink Boots for MoTeC Products		
202K163-25 Boot (ADL2)		65108
202K153-25 Boot (M880, E816, DBW4, VIM)		65109
202K142-25 Boot (SDL, ACL, IEX, TCM)		65110
202K121-25 Heatshrink Boot with Retention Lip		65100
222K163-25 90 deg Boot (ADL2)		65111
222K152-25 90 deg Boot (M880, E816, DBW4, VIM)		65112
222K142-25 90 deg Boot (SDL, ACL, IEX, TCM)		65113
222K121-25 90 deg Heatshrink Boot		65114
Heatshrink Boots for Sensors		
202A111-25 Boot for ASL Connector		65105
202A111-25/225 Pre-glued Boot for ASL Connector		65106
202A121-25 Heatshrink Boot		65107
222A111-25 90 deg Boot for ASL Connector		65115
Hellermann 1030-4-G Boot for ASL Connector		65122
Hellermann 1030-4-GW24 Pre-glued Boot for ASL Connector		65116
Hellermann 1181-4-G 90 deg Boot for ASL Connector		65117
204W221-25 Boot for ASU Connector		65118
204W221-25/225 Pre-glued Boot for ASU Connector		65101
224W221-25 90 deg Boot for ASU Connector		65119
Protective Sleeving		Part No.
<i>Heat sleeving to protect wiring from extremes of temperature near exhausts or turbos, providing continuous protection up to 200°C, and able to withstand momentary peaks of 350°C .</i>		
5mm diameter Heat Sleeving		92100
10mm diameter Heat Sleeving		92101
Wiring Tools		Part No.
Crimping & Stripping		
MoTeC Military Crimp Tool (<i>fits all MoTeC mil type pins</i>)		68073
Packard Crimp Tool		67022
M800 Crimp Tool		67024
Universal Wire Stripper		90018
De-Pinning		
Autosport 22g De-Pinning Tool (<i>plastic</i>)		90003
Autosport 20g De-Pinning Tool (<i>plastic</i>)		90005
Autosport 16g De-Pinning Tool (<i>plastic</i>)		90006
Delco De-Pinning Tool (<i>metal</i>)		68001

Buttons & Switches

Part No.

Illuminated 12mm Momentary Button	67100
Illuminated 12mm Latching Button	67101
Illuminated 8mm Momentary Button	67102
Illuminated 8mm Latching Button	67103
Lenses for 12mm Button (<i>blue, green, red, yellow</i>)	67506/7/8/9
Lenses for 8mm Button (<i>green, red, yellow</i>)	67513/4/5
Lamps and LEDs for 12mm & 8mm Buttons	67501
19mm Push Buttons (<i>blue, green, red, yellow</i>)	67111/2/3/4
Miniature Toggle Switch (<i>DPDT</i>)	67201
Miniature Toggle Switch (<i>SPDT</i>)	67203
10 Position Resistive Rotary Switch	56100
Gear Cut Roller Micro Switch	67115
2009 Yamaha R1 Gear Position Adaptor (<i>includes mating half</i>)	79120

Handlebar Switch Gear

Part No.

MoTeC can supply a handlebar switch assembly which can be used to provide functions such as pit speed limiter, ECU map select and traction control on/off and up/down trim.

Motorcycle Handlebar Switch Gear	79105
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Illumination

Part No.

ADL2 Voltage Inverter (<i>for backlit ADL2 only</i>)	61035
Dimmer Switch For Backlit SDL, ADL2, ADL3	61036

Shift/Warning LEDs

Part No.

The SLM Shift Light Module features eight full-colour (RGB) LEDs. The lights can be used for Shift Lights, Warning Lights, or other indicators. Each LED is fully independent as to the purpose, colour, and brightness. The SLM works via CAN in conjunction with MoTeC M400/M600/M800/M880 ECUs, SDL and ADL2 Dash Loggers, and the ACL. An uncased OEM version is available for integration into your won steering wheel design.

SLM Shift Light Module	18120
SLM OEM (<i>uncased SLM for steering wheel integration</i>)	18121
7mm Panel Light (<i>blue, green, red, yellow</i>)	67520/1/2/3
10mm Panel Light (<i>green, red, yellow</i>)	67540/1/2
10mm Panel Light (<i>tri-colour</i>)	67543
Multi-Coloured LED Array (<i>low cost alternative to SLM</i>)	68007





"Race smart." Clothing

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Race smart.

"Race smart." Clothing

Part No.

Get the MoTeC look with our eye-catching "Race smart." gear! The range includes a cap, polo shirt, and jacket. Images and more information can be seen on the website at www.motec.com.au/aboutmerchandise/merchandiseoverview. Please contact us to discuss sizing availability before placing your order

"Race smart" Cap	99512
"Race smart" Polo Shirt	See Table
"Race smart" Jacket	See Table

ITEM	SIZE					
	S	M	L	XL	2XL	3XL
Polo Shirt	99500	99501	99502	99503	99504	99505
Jacket	99506	99507	99508	99509	99510	99511

Training & Support Services

MoTeC Training Seminars

Duration

MoTeC offer in-house product training seminars, covering the installation and set-up of Engine Management Systems, or Data Acquisition Systems. The seminars are held at MoTeC Europe in Adderbury, with course literature, lunch, and refreshments all provided. Please contact us to discuss your requirements further. Price quoted is per person.

MoTeC ECU Training 1 Day

MoTeC Data Acquisition and Analysis Training 1 Day

Technical Field Support

Duration

In addition to telephone support, MoTeC regularly supplies Technical Support Engineers for Track Support or on-site Tuning & Training. Contact us to enquire about booking a MoTeC Technical Support Engineer for assistance with set up and configuration of MoTeC products and systems.

MoTeC Field Support in the UK (exclusive of expenses) 1 Day

MoTeC Field Support in Europe (exclusive of expenses) 1 Day

MoTeC Field Support in R.O.W. (exclusive of expenses) 1 Day

Repairs, Testing, & Upgrades

If any of your MoTeC products require testing or repair, or require upgrade, **please contact us to obtain a Return Material Authorisation (RMA) number.** Repair costs for your unit depend on individual circumstances

Testing

MoTeC Hardware Testing P.O.A

Sensor Testing & Calibration (please contact us) P.O.A.

Upgrades

ADL2 Backlight Conversion—Upgrade ADL2 to Backlit P.O.A

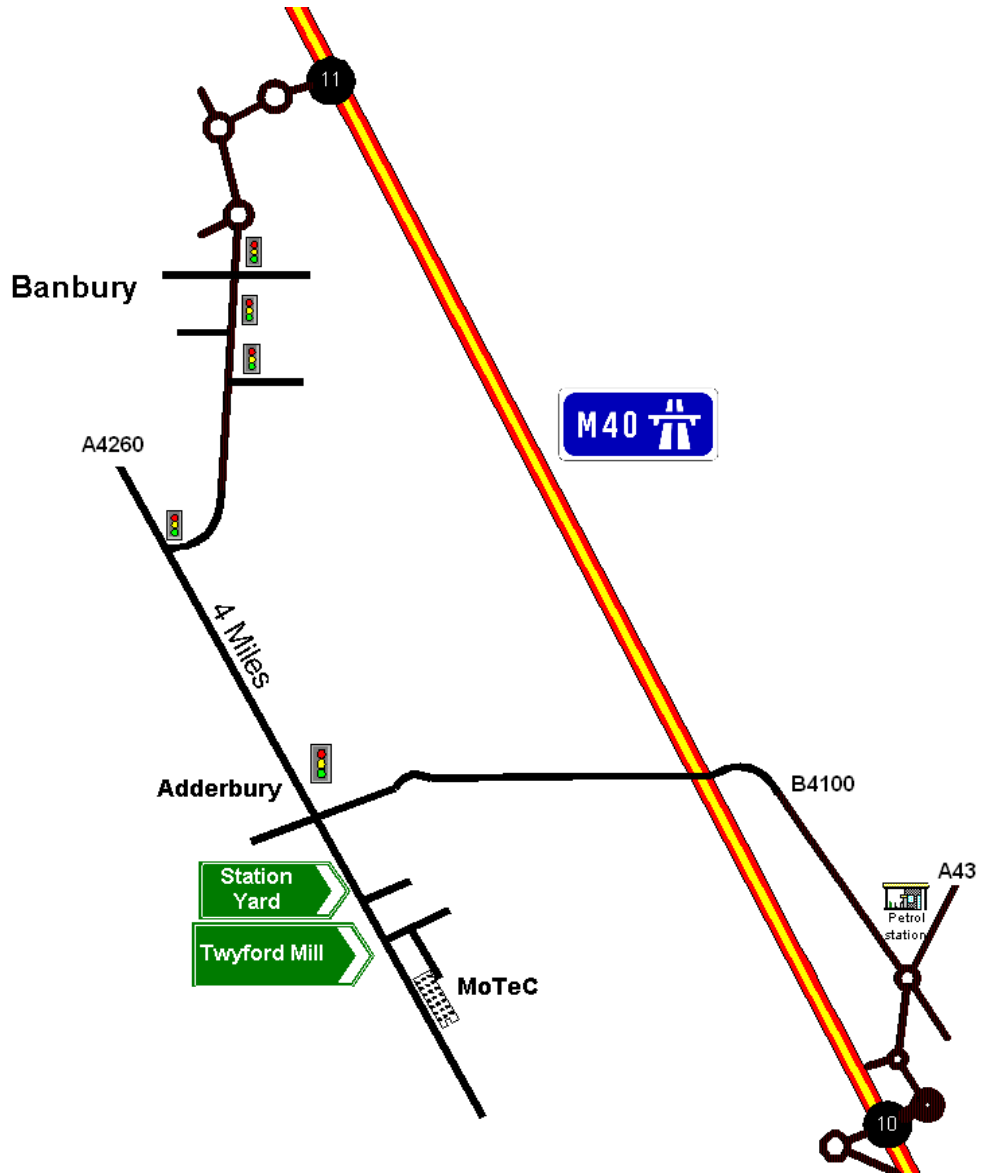
SDL Backlight Conversion -Upgrade SDL to Backlit P.O.A

Replace Screen on ADL2 or SDL2 P.O.A

MDD or PLM Firmware Upgrade F.O.C.

www.motec.com

Where to find us



Directions

Leave M40 at J10 and follow signs for A43 north. Take a left at the Esso garage onto B4100. Follow for 7 miles into Adderbury. At the traffic lights turn left past the Red Lion pub. Take the second left outside the village sign posted Twyford Mill

Address

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