



Race smart.

# MoTeC Europe Ltd.

## RETAIL Price List - July 2009



**Engine Management, Data Acquisition,  
Power Distribution & Accessories**

**[www.motec.com](http://www.motec.com)**



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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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# 2009

All of these new products for 2009 are available now! See the appropriate page in this price list for more information and pricing. For more detailed specifications of these or any MoTeC products, visit [www.motec.com](http://www.motec.com)



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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.

**Mating connectors not included**

#### Power Distribution Modules

	Part No.	Price
PDM16 Power Distribution Module	14102	1604.00
PDM32 Power Distribution Module	14100	2530.00
PDM15 Power Distribution Module	14104	995.00
PDM30 Power Distribution Module	14103	1785.00

#### PDM Connectors

	Part No.	Price
PDM15/30 Input/Output		
PDM15/30 Connector Kit	95560	37.00
PDM16/32 Input/Output		
PDM16/32 8-way Connector (AS616-08SN)	68088	91.00
PDM16/32 26-way Connector (AS616-26SN)	68086	82.00
PDM32 37-way Connector (AS614-35SN)	68100	74.00

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

We can supply the PDM Battery+ connector pre-crimped onto a 1m length of 25mm battery cable with either a straight boot, or two options of 90° boot depending on required cable orientation

PDM Batt+ Connector, 1m cable, straight boot	68062	155.00
PDM Batt+ Connector, 1m cable, 90° boot "Left" orientation	68063	155.00
PDM Batt+ Connector, 1m cable, 90° boot "Right" orientation	68064	155.00

#### PDM15/30 Battery Cable

PDM15/30 1m Battery Cable with pre-crimped terminal	79143	27.00
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## Data Acquisition & Display

**RETAIL**
**JULY 2009**

### SDL Sport Dash / Sport Dash Logger

**Part No.**
**Price**

The SDL is supplied as a standard dashboard display with a backlit option, and can be upgraded to provide 8MB of logging memory. **Mating connector not included**

SDL Sport Dash (non-logging base model)	18009	1356.00
Backlit SDL Sport Dash (non-logging base model)	18010	1575.00
37 Pin Autosport SDL Connector (AS614-35SN)	68100	74.00

### SDL Upgrades

Logging Enable (enables 8MB logging memory)	29214	782.00
Pro Logging Advanced Analysis	29220	505.00
Lambda Measurement Support	29202	183.00

### Upgrades for ADL8 (pre 2005)

**Part No.**
**Price**

Upgrade to 30 Input/Outputs	29000	180.00
Extension to 50 Input/Outputs (requires 30 I/O upgrade)	29001	566.00
ADL Logging Upgrade (enables 1MByte logging)	29050	561.00
384kb to 1MB Logging Memory Upgrade	29010	261.00
2MByte Logging Memory (upgrade from 1MB to 2MB)	29012	99.00
4MByte Logging Memory (upgrade from 2MB to 4MB)	29013	99.00
8MByte Logging Memory (upgrade from 4MB to 8MB)	29014	99.00
Pro Logging Advanced Analysis	29020	635.00
Lambda Measurement Support	29002	275.00
Telemetry Support	29021	635.00
Remote Logging (requires telemetry upgrade)	29022	712.00

### ADL2 Advanced Dash Logger

**Part No.**
**Price**

The ADL2/EDL2 is being replaced by the ADL3, but is still available while stocks last.

ADL2 Advanced Dash Logger	18006	3214.00
Backlit ADL2 Advanced Dash Logger	18007	3535.00
EDL2 Enclosed Dash Logger	18008	3141.00
79 Pin Autosport ADL2 Connector (AS620-35SN)	68080	105.00

### ADL2 Upgrades

16MByte Logging Memory (upgrade from 8MB to 16MB)	29115	200.00
Extension to 50 Input/Outputs	29101	585.00
Pro Logging Advanced Analysis	29120	655.00
Telemetry Support	29121	655.00
Remote Logging (requires telemetry upgrade)	29122	725.00
Lambda Measurement Support	29102	275.00



#### ADL3 Advanced Dash Logger

Part No.

Price

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



**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

3950.00

#### Backlit ADL3 Advanced Dash Logger

18015

4321.00

#### EDL3 Enclosed Dash Logger

18016

3881.00

#### 79 Pin Autosport ADL3 Connector (AS620-35SN)

68080

105.00

#### ADL3 Upgrades

#### 250MByte Logging Memory (upgrade from 16MB to 250MB)

29315

525.00

#### Extension to 52 Input/Outputs

29301

635.00

#### Pro Logging Advanced Analysis

29320

735.00

#### Telemetry Support

29321

655.00

#### Remote Logging (requires telemetry upgrade)

29322

725.00

#### Central Logging System

Part No.

Price

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

3999.00

#### 22 Pin Autosport ACL Connector (AS612-35SN)

68087

62.00

#### ACL Upgrades

#### Telemetry Support

25021

672.00

#### Remote Logging (requires telemetry upgrade)

25022

746.00

#### VIM Versatile Input Module

#### VIM Versatile Input Module

18110

1371.00

#### 5 Pin Autosport VIM CAN/Power Connector (ASL606-05SN)

68098

28.00

#### 55 Pin Autosport VIM Sensor Connector (AS616-35SN)

68090

77.00





## MDD Mini Digital Display

Part No.

Price

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

792.00

MDD OEM (uncased MDD for steering wheel integration)

18012

752.00

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

61115

97.00

## 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.

MDD Steering Wheel

79400

from  
2995.00



## Lap Timing

Part No.

Price

MoTeC BTX Beacon Transmitter

15500

352.00

MoTeC BR2 Beacon Receiver

15512

331.00

## Beacon Accessories

5 Pin Autosport BR2 Connector (ASL606-05SN)

68098

28.00

BR2 Configuration Loom (for programming advanced features)

61048

74.00

Replacement BTX Power Lead

61033

25.00



## Expansion Modules

Part No.

Price

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

730.00

E816 Expander Module (connector not supplied)

14008

802.00

66 Pin Autosport E816 Connector (AS618-35SN)

68089

96.00



## Accessories

Part No.

Price

### VSM Video Sync Module

Allows auto sync of video footage and logged data when used with an SDL, ADL2 or ADL3.

VSM Video Sync Module

61122

68.00

### 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

166.00



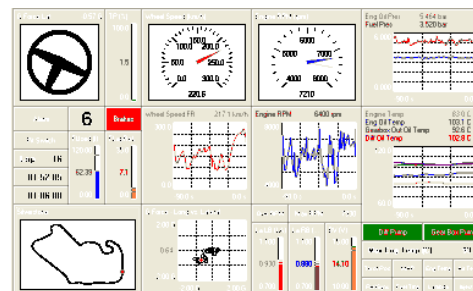
#### Radio Telemetry

Part No.

Price

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	2580.00
10W Telemetry Kit (10W radio for car, 1W radio for pit)	79200	2995.00
Diversity Reception Telemetry Kit (10W radios, 2 pit antennae)	79300	3852.00

#### GPS Units

Part No.

Price

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

#### 5Hz GPS

The GPS-G1 is a 5Hz GPS that is suitable for the high dynamics of motorsport applications and comprises a GPS unit with an inbuilt antenna.

5Hz GPS-G1 GPS Unit	41300	305.00
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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 integral MoTeC STC. Update rate and inclusion of STC should be decided before ordering. **Mating connector not included**



Pro 10Hz GPS (RS232 comms only)	41303	610.00
Pro 20Hz GPS (RS232 comms only)	41304	950.00
Pro 10Hz GPS with integral STC (capable of CAN or RS232)	79113	810.00
Pro 20Hz GPS with integral STC (capable of CAN or RS232)	79114	1150.00

#### Accessories

13 Pin Autosport Professional GPS Connector (AS610-35SA)	68010	56.00
Spare GPS Antenna for Professional Unit	41305	69.00



## Engine Management Systems

**RETAIL**

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**Lower Price!**



### M4 ECU

**Part No.**

**Price**

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 749.00

MoTeC M4-PRO 3DFISA ECU (Advanced & Logging) 10003 999.00

### M4 ECU Upgrades

M4 Advanced & Logging Upgrade 26004 250.00

M4 Logging Only Upgrade (512kB) 26005 170.00

M4 Lambda Upgrade (requires advanced & logging upgrade) 26006 200.00

M4 Telemetry Upgrade 26008 475.00

M4 Remote Logging Upgrade (requires telemetry upgrade) 26009 475.00

### M48 ECU

**Part No.**

**Price**

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 1169.00

MoTeC M48-PRO 3DFISA ECU (Advanced & Logging) 11003 1419.00

### M48 ECU Upgrades

M48 Advanced & Logging Upgrade 27004 250.00

M48 Logging Only Upgrade (512kB) 27005 170.00

M48 Lambda Upgrade (requires advanced & logging upgrade) 27006 200.00

M48 Telemetry Upgrade 27008 475.00

M48 Remote Logging Upgrade (requires telemetry upgrade) 27009 475.00

### MLS & M2R ECUs

**Part No.**

**Price**

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 800.00

M2R ECU (dedicated to 2 rotor engines) 10006 800.00

### MLS ECU Upgrades

MLS Advanced & Logging 26014 265.00

MLS Logging Only Upgrade (512kB) 26015 170.00

MLS Lambda Upgrade (requires advanced & logging upgrade) 26016 200.00

### M2R ECU Upgrades

M2R Advanced & Logging 26024 265.00

M2R Logging Only Upgrade (512kB) 26025 170.00

M2R Lambda Upgrade (requires advanced & logging upgrade) 26026 200.00



[www.motec.com](http://www.motec.com)

#### M400 ECU

Part No.

Price

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

1635.00

#### M400 ECU Upgrades

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

24105

280.00

M400 Logging Only Upgrade (512kB)

24101

115.00

M400 Lambda Upgrade

24102

375.00

M400 Drive by Wire (contact us for supported applications)

24112

250.00

M400 Camshaft Control (contact us for supported applications)

24116

225.00

M400 Over Run Boost

24117

170.00

M400 Pro Analysis

24104

530.00

#### M600 ECU

Part No.

Price

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

1795.00

#### M600 ECU Upgrades

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

26105

280.00

M600 Logging Only Upgrade (512kB)

26101

115.00

M600 Lambda Upgrade

26102

375.00

M600 Dual Lambda Upgrade (requires single lambda upgrade)

26103

180.00

M600 Drive by Wire (contact us for supported applications)

26112

250.00

M600 Camshaft Control (contact us for supported applications)

26116

225.00

M600 Over Run Boost

26117

170.00

M600 Pro Analysis

26104

530.00



## Engine Management Systems

**RETAIL**

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### M800 & M880 ECUs

**Part No.**

**Price**

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	1995.00
M880 Professional	13002	3307.00
66 Pin Autosport M880 Connector (AS618-35SN)	68089	96.00

### M800 & M880 ECU Upgrades

**Part No.**

**Price**

M800 Advanced Functions Upgrade (allows anti-lag, traction and launch control, full throttle upshift, pit speed limiting, etc)	28105	280.00
1Mb Logging Memory (M800 only)	28101	170.00
4Mb Logging Memory (M880 only)	28108	385.00
Pro Logging Advanced Analysis	28104	530.00
Single Lambda Support	28102	375.00
Dual Lambda Support (requires single lambda upgrade)	28103	180.00
Telemetry Support	28107	495.00
Remote Logging Upgrade (requires telemetry upgrade)	28109	495.00
10/12 Cylinder Sequential Support	28111	275.00
Drive by Wire (contact us for supported applications)	28112	250.00
Multi-Pulse Injection and Multi-Spark Ignition	28115	160.00
Servo Motor & Stepper Motor Drive	28113	160.00
Camshaft Control (contact us for supported applications)	28116	225.00
M800 Over Run Boost	28117	170.00

## Plug-In Systems

### Jet Ski Plug-In ECUs

**Part No.**

**Price**

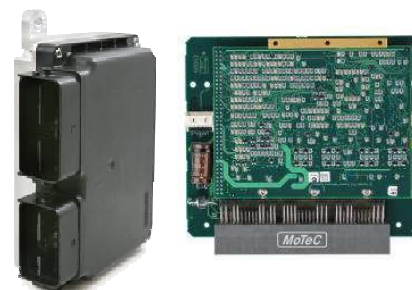
MoTeC Jet Ski Plug-In ECUs are fully programmable, direct replacements for factory ECUs on a select number of popular jet ski models, based around Marine versions of the M400 or M800. The system can be purchased as a kit complete with an adaptor wiring loom and mounting brackets, and including the DBW upgrade. Alternatively the parts can be purchased individually.

M400 Jet Ski Kit for Yamaha FX-SHO, FZS/FZR	13041	2230.00
M800 Jet Ski Kit for Yamaha FX-SHO, FZS/FZR	13021	2615.00
Adaptor Kit for Yamaha FX-SHO, FZS/FZR	61143	400.00
Marine M400 ECU (needs 24112 DBW upgrade)	13040M	1680.00
Marine M800 ECU (needs 28112 DBW upgrade)	13001M	2065.00





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. **NEW FOR 2009** is 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. **NEW FOR 2009** is the MDC2 Diff Controller for the Mitsubishi EVO X

## Mitsubishi

## Part No.

## Price

### M800 OEM Plug-In ECUs

**NOTE: EVO 9 versions require the addition of part 28116 cam control upgrade**

Mitsubishi EVO 4-8 (4 plug)	13009A	1650.00
Mitsubishi EVO 4-8 AL (inc. anti-lag without adv. functions)	13009AL	1820.00
Mitsubishi EVO 8/9 (3 plug, for EVO 8 MR/GSR and EVO 9)	13010A	1650.00
Mitsubishi EVO 8/9 AL (inc. anti-lag w/o advanced functions)	13010AL	1820.00
Mitsubishi EVO 9 cam control upgrade	28116	225.00
Mitsubishi EVO X RS (inc cam control and DBW. Needs MDC2)	13013A	2200.00

### Diff Controllers

MDC Mitsubishi Diff Controller (EVO 7,8 and 9)	14012	855.00
MDC2 Mitsubishi Diff Controller (EVO X RS)	14016	855.00

## Subaru

## Part No.

## Price

### M800 OEM Plug-In ECUs

**NOTE: Subaru STi versions require the addition of part 28116 cam control upgrade**

Subaru Version 5-6	13004A	1650.00
Subaru Version 5-6 AL (inc. anti-lag without adv. functions)	13004AL	1820.00
Subaru Version 7/8 (WRX, UK/Jap/USA versions)	13008A	1650.00
Subaru Version 7/8 AL (inc. anti-lag without adv. functions)	13008AL	1820.00
Subaru 2008 Plug and Play ECU (includes cam and DBW)	13012A	2125.00
Subaru STi Cam Control Upgrade	28116	225.00

### Diff Controllers

MoTeC SDC1 Subaru Diff Controller (WRX STi 2003)	14009	855.00
MoTeC SDC2 Subaru Diff Controller (2004/5/6 models)	14010	855.00
MoTeC SDC3 Subaru Diff Controller (2008 models)	14015	855.00



## ECU Accessories

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### ECU Accessories

Part No.

Price

*ECU Accessories include a mating connector unless otherwise stated*

Ignition Expander	14001	255.00
AS Connector Ignition Expander (needs connector 68087)	14006	355.00
Traction Control Multiplexer	14002	255.00
AS Connector TC Multiplexer (needs connector 68087)	14005	355.00
Delco Boost Control Valve	58001	121.00
3 Port Boost Control Valve	58020	89.00
M4/M48 SUU Software Update Unit	63008	102.00

### ECU Accessory Connectors

22 Pin Autosport IEX/TCMux Connector (AS612-35SN)	68087	62.00
Delco Boost Control Valve Connector	68004	15.00

### DBW-4 Drive By Wire Module

Part No.

Price

*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	776.00
66 Pin Autosport DBW-4 Connector (AS618-35SN)	68089	96.00

### Knock Monitoring and Control

Part No.

Price

*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	636.00
Mitsubishi EVO X OKM Onboard Knock Module	53121	636.00
SKM Standalone Knock Module	53116	955.00
Knock Tuning Kit (includes an SKM, OKM, and Loom)	53119	1625.00
Knock Sensor Loom (for use with SKM)	61114	120.00

### DHB Dual Half Bridge

Part No.

Price

*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	223.00
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#### LTC Lambda To CAN Module

Part No.

Price

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

398.00

LTCD Dual Lambda to CAN Module

61301

580.00

#### PLM Professional Lambda Meter

Part No.

Price

PLM Professional Lambda Meter with LSU Sensor and Loom

15003

945.00

PLM Professional Lambda Meter with NTK Sensor and Loom

15002

1322.00

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

61038

98.00

6m Bosch PLM Loom

61040

123.00

PLM NTK Adaptor Loom

61105

54.00

#### Lambda Sensors & Accessories

Part No.

Price

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

57001

163.00

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

57003

108.00

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

57006

136.00

NTK Lambda Sensor (for M800 series and PLM)

57004

348.00

Stainless Steel Weld-on Boss Including Bung

59002

21.00

Bosch LSU 4.0 Connector

64006

18.00

Bosch LSU 4.9 Connector

64010

15.00

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

61044

34.00

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

61050

42.00

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

61051

42.00

## Fuel System Components

#### Fuel Injectors

Part No.

Price

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

34363

112.00

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

34803

108.00

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

34737

102.00

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

34403

126.00

Bosch Electronic Injector 007

34007

107.00

Injector Fitting Kits

34100

4.00



## CDI Capacitive Discharge Ignition

Part No.

Price

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	710.00
MoTeC CDI/8	14004	1302.00
26 Pin Autosport CDI/8 Connector (AS616-26SN)	68086	85.00
1000Hz Single Channel CDI Module (for use with an ECU)	41013	352.00
650Hz Dual Channel CDI Module (for use with an ECU)	41005	502.00

## Ignition Coils & Amplifiers

Part No.

Price

### Ignition Coils

Single Coil	42001	38.00
Denso Single Coil (built-in amplifier, includes connector)	42012	93.00
Bosch Single Coil	42014	43.00
Bosch 4 Cylinder Coil Pack (wasted spark)	42025	100.00
CDI Coil (PS92)	42020	128.00
CDI Coil (wasted spark)	42021	48.00
Bosch 6 Cylinder Coil Pack (wasted spark)	42022	60.00
Single Mercury CDI Coil	42011	59.00
Single CDI Coil	42030	125.00
Bosch HT Coil Connections	46001	1.10
Bosch HT Coil Covers	46002	1.10

### Ignition Amplifiers

Single Channel Ignition Amplifier	41124	98.00
Single Channel Ignition Amplifier (with tacho. output)	41008	114.00
Dual Channel Ignition Amplifier	41200	128.00
Triple Channel Ignition Amplifier	41203	150.00
Triple Channel Ignition Amplifier (dual connector)	41205	162.00
Quad Channel Ignition Amplifier (dual connector)	41204	200.00
Ignition Combiner (provides a tacho output — refer to MoTeC drawing A10)	53110	66.00





#### CAN Communications

Part No.

Price

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	150.00
CAN Communications Cable	61021	140.00
CAN Cable and UTC Loom Connector (in line)	65038	10.00
CAN Cable and UTC Loom Connector (panel mount)	65030	11.00
CAR Cable (vehicle loom CAN interface)	61022	54.00
M800 OEM CAN Adaptor (also for SDC1/SDC2)	61046	34.00
BR2 Configuration Loom	61048	74.00

#### USB Communications

Part No.

Price

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

USB Cable Terminated in Autosport Sockets (1m)	61067	27.50
USB Cable Terminated in Autosport Sockets (1.8m)	61068	30.00
2m USB Cable	79140	9.00
5m USB Booster Cable	90096	32.00
USB Bulkhead Connector and Cap	90100	15.00

#### Ethernet Communications

Part No.

Price

Ethernet is used for laptop communications with ADL3 and ACL. An Ethernet cable terminated with Autosport sockets and designed for use with the ACL cable can be supplied for ADL3 use

ACL Ethernet Communications Cable	61112	82.00
Ethernet Cable Terminated in Autosport Sockets (1m)	79141	105.00
Ethernet Cable Terminated in Autosport Sockets (1.8m)	79142	122.00

#### Serial Communications

Part No.

Price

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	99.00
6m PCI Cable (M48, M8 and early M4)	63004	115.00
RS232 Comms Cable (M4e and PLM)	61070	10.00
CIM Kit (ECU to SDL/ADL/ADL2 Interface for M4, M48, M8)	61027	160.00
D9 Adaptor (for use with PCI cable on M4 <3000, M48, M8)	61010	32.00
D9 – 232 Adaptor (M4 only)	61016	26.00
D9 Adaptor (Mitsubishi/Subaru for M48 OEM conversion)	61012/3	38.00
D9 Mil Spec Adaptor (for mil spec M4, M48, and M8 ECU)	61011	109.00
USB to Serial Adaptor	90099	43.00

**Need a connector fitted? See page 21 for details of our Sensor Termination Service**

### Speed Sensors

Part No.

Price

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. **Note: sensor 57116 not recommended for crank or cam position sensing**

### Hall Effect Sensors

GT101 (19mm plastic body)	57101	58.00
Miniature Vane Sensor (plastic body)	57109	59.00
Threaded Hall Probe (M12x1, 36mm stainless steel body)	57111	58.00
Threaded Hall Probe (7/16 x 32tpi 26mm black aluminium body)	57116	58.00

### Inductive Sensors

Inductive Probe (7/16 x 20tpi threaded steel body)	57114	98.00
Magnet for Sensor 57114	57115	20.00
Magneti Marelli SEN 8D Sensor	57104	54.00

### 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	55.00
12 Way Female DTM Connector Kit for DMC-D	68060	12.50

### Magneto Resistive Speed Sensor Conversion

The Magneto Resistive converter allows the signals from magneto resistive speed sensors to be used in digital inputs of ECUs and Dash Loggers. Please call us to discuss your application and sensor part numbers in more detail

Magneto Resistive Speed Sensor Adaptor	79135	55.00
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### Pitot Tubes

Part No.

Price

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	550.00
	50mbar (up to ~330km/h)	53205	550.00
	70mbar (up to ~390km/h)	53206	550.00
300mm Pitot Tube Assembly	25mbar (up to ~230km/h)	53207	650.00
	50mbar (up to ~330km/h)	53208	650.00
	70mbar (up to ~390km/h)	53209	650.00

**Lower Price!**

**Need a connector fitted? See page 21 for details of our Sensor Termination Service**

#### Temperature Sensors

Part No.

Price

##### Variable Resistance

Delco Air Temperature (3/8 NPT)	54001	40.00
Bosch Air Temperature (M12x1.5)	54002	27.00
Air Temperature with Fly Lead (M10x1)	54003	62.00
Air Temperature with Fly Lead (M12x1.5)	54005	64.00
Bosch -40 to 150°C Fluid Temperature (M12x1.5)	55002	23.00
Bosch -40 to 150°C Fluid Temperature (M10x1)	55003	38.00
-30 to 150°C Fluid Temperature with Fly Lead (M12x1.5)	55005	57.00
-30 to 150°C Fluid Temperature with Fly Lead (M10x1)	55004	55.00
Delco Air Temperature Sensor Connector Kit	64001	9.00
Bosch 2 Pin Female Connector Kit	65008	5.00

##### Thermocouples

*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.*

MoTeC Thermocouple Amplifier	58008	106.00
K type Thermocouple Kit (150mm probe length)	58005	58.00
K type Thermocouple Kit (75mm probe length)	58009	58.00
1/8NPT Thermocouple Stainless Steel Fitting and Gland Nut	58012	16.50
K type Sensor Female Socket	58017	5.00
K type Sensor Male Plug	65048	6.00

##### Non-Contact Infra Red

**Lower Price!**

*Infra Red sensors allow non-contact temperature measurement, and are often used for tyre or brake temperature monitoring.*

0 – 150°C Infra Red Sensor (plastic body)	52003	100.00
0 – 150°C Infra Red Sensor (aluminium body)	52009	170.00
0 – 1200°C Infra Red Sensor (best for carbon brakes)	52005	320.00
0 – 1000°C Infra Red Sensor (best for steel brakes)	52006	320.00

##### Manifold Pressure Sensors (Absolute)

Part No.

Price

1bar High Accuracy Delco MAP Sensor (connector supplied)	53000	90.00
1bar Delco MAP Sensor (connector supplied)	53001	54.00
3bar Delco MAP Sensor (connector supplied)	53003	82.00
<i>These 4bar sensors feature a 3/8"UNF (-03) fitting.</i>		
4bar Standard Sensor (integral connector, with mating half)	58060	110.00
4bar Professional Sensor (flylead connection)	58040	140.00

**Lower Price!**

**Need a connector fitted? See page 21 for details of our Sensor Termination Service**

### Fluid Pressure Sensors (Gauge)

Part No.

Price

5 and 10 bar sensors are for Fuel and Oil Pressure, with 170 bar sensors used for Brake Pressure

#### Basic VDO Sensors - 1/8"NPT Fitting

5bar VDO Sensor (screw terminals)	58002	60.00
10bar VDO Sensor (screw terminals)	58003	60.00

#### Standard Sensors - 3/8"NPT (-03) Fitting

10bar Standard Sensor (integral connector, with mating half)	58061	110.00
170bar Standard Sensor (integral connector, with mating half)	58062	110.00

#### Professional Sensors - 3/8"NPT (-03) Fitting

5bar Professional Sensor (flylead connection)	58041	140.00
10bar Professional Sensor (flylead connection)	58042	140.00
170bar Professional Sensor (flylead connection)	58043	140.00

### Motion Sensors

Part No.

Price

±4G Single Axis G Sensor (ECU)	57202	223.00
±4G Dual Axis G Sensor (ECU and ADL2)	57210	312.00
±4G Triple Axis G Sensor (ECU)	57203	426.00
±4G Single Axis G Sensor (ADL2)	57205	223.00
±4G Triple Axis G Sensor (ADL2)	57206	426.00
100°/s Single Axis Gyro	79130	505.00
150°/s Single Axis Gyro	79131	505.00

### Strain Gauges

Part No.

Price

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.

Sequential Gearshift Load Cell Kit	95004	575.00
H-Pattern Gearshift Load Cell Kit	95005	575.00
Strain Gauge Amplifier	95007	250.00

### Rotary Position Sensors

Part No.

Price

Rotary potentiometers are used for measurement of parameters such as Throttle Position, Steering Angle, and Gear Barrel Position in sequential transmissions.

Standard D-drive Throttle Position Sensor (right hand, black)	56001	64.00
Standard D-drive Throttle Position Sensor (left hand, white)	56002	64.00
100° Sprung Shaft Potentiometer	59008	110.00
350° Sprung Shaft Potentiometer	59013	110.00
Multi Turn Steering Angle Kit (10 turn pot, 2 gears, and belt)	59006	125.00



**Need a connector fitted? See page 21 for details of our Sensor Termination Service**

**Lower Price!**

### Linear Position Sensors

Part No.

Price

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	150.00
75mm Linear Potentiometer	57153	160.00
100mm Linear Potentiometer	57156	170.00
150mm Linear Potentiometer	57155	180.00
200mm Linear Potentiometer	57158	190.00

### Ride Height Sensors

Part No.

Price

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	498.00
	200mm Range	79316	498.00
	250mm Range	79317	498.00
0-10V (suitable for normal ADL2 AV inputs)	150mm Range	79318	498.00
	200mm Range	79319	498.00
	250mm Range	79320	498.00

### Sensor Termination Service

Part No.

Price

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

50.00

#### 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

25.00



## Wiring & Connectors

**RETAIL****JULY 2009**

### Wiring Looms

**Part No.****Price**

*We are able to produce adaptor looms for a variety of vehicles to convert your car to run on a MoTeC ECU. Please contact us to discuss more specific costing.*

#### Adaptor Looms

M4/M48 Adaptor Harness ( <i>lead time approx 2 weeks</i> )	141xxx	from 275.00
M400/M600/M800 Adaptor Harness ( <i>lead time approx 2 weeks</i> )	141xxx	from 400.00

#### Unterminated Looms

M4 Cut-to-Fit Loom ( <i>2.5m unterminated</i> )	61001	125.00
M48 Cut-to-Fit Loom ( <i>2.5m unterminated</i> )	61002	125.00
M8 Cut-to-Fit Loom ( <i>2.5m unterminated</i> )	61003	125.00
M400, M600 & M800 Cut-to-Fit Loom ( <i>2.5m unterminated</i> )	61004	250.00
M880 Cut-to-Fit Loom ( <i>2.5m unterminated</i> )	61005	P.O.A.
ADL Cut-to-Fit Loom ( <i>3m unterminated</i> )	61020	300.00
ADL2 Cut-to-Fit Loom with USB ( <i>3m unterminated</i> )	61099	321.00
SDL Cut-to-Fit Loom ( <i>3m unterminated</i> )	61023	275.00

### ECU Connectors

**Part No.****Price**

36 Way MoTeC M4/M48/M8 Connector	65036	30.00
18 Way MoTeC M8/IEX/TCMux/CDI/4 Connector	65018	25.00
34 Way MoTeC M400/M600/M800/E888 Connector	65044	19.00
26 Way MoTeC M400/M600/M800/E888 Connector	65045	18.00
M800 Series Connector Kit	95560	37.00
Mitsubishi/Subaru ECU Connectors ( <i>12,16,22 &amp; 26 way</i> )	69011,2,3,4	5.00

#### ECU Connector Spare Pins

M800 Spares Pins	65546	0.15ea
M4/M48/M8/IEX/TCM Spare Pins	65024	0.16ea
Seals for M4/M48/M8/IEX/TCMux Pins	65025	0.14ea

#### PCB Headers

Mitsubishi/Subaru 4 Socket PCB Connector ( <i>yellow</i> )	69002	38.00
Mitsubishi/Subaru 3 Socket PCB Connector ( <i>yellow</i> )	69001	38.00
Subaru 4 Socket PCB Connector ( <i>grey</i> )	69006	57.00
55 Way Bosch PCB Connector	69005	62.00
Other OEM Connectors and PCB adaptors available on request		P.O.A

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.	Price
55 Way M8 Mil Spec ECU Connector	68078	95.00
32 Pin M4/M48 Mil Spec ECU Connector	68079	75.00
10 Pin to D9 Comms Plug Connector (M8, mil spec M4/M48)	68077	50.00

#### Autosport (AS) Connectors

	Part No.	Price
<b>Autosport AS Connectors</b>		
13 way Autosport GPS Connector (AS610-35SA)	68010	56.00
79 way Autosport ADL2 Connector (AS620-35SN)	68080	105.00
26 way Autosport PDM/CDI8 Connector (AS616-26SN)	68086	82.00
22 way Autosport ACL/TCMux/IEX Connector (AS612-35SN)	68087	62.00
8 way Autosport PDM16/32 Connector (AS616-08SN)	68088	91.00
66 way Autosport M880/E816/DBW4 Connector (AS618-35SN)	68089	96.00
55 way Autosport VIM Sensor Connector (AS616-35SN)	68090	77.00
37 way Autosport SDL/PDM Connector (AS614-35SN)	68100	74.00
AS Connector Sockets for MoTeC Product Connectors	68082	0.62ea
AS Connector Filler Plugs	68083	0.56ea

#### Autosport ASL Connectors

5 way ASL BR2/VIM Connector (ASL606-05SN)	68098	28.00
5 way Female ASL Connector (ASL106-05SN)	68102	30.00
5 way Male ASL Connector (ASL606-05PN)	68103	28.00
5 way ASL Ethernet Loom Connector (ASL106-05PN)	79102	23.00
5 way Flanged ASL Ethernet Loom Connector(ASL006-05PN)	79103	28.00
ASL Connector Sockets	68068	1.70ea
ASL Connector Pins	68069	1.00ea

#### Autosport ASU Connectors

3 way Female Autosport (ASU103-03SN)	65120	36.50
3 way Male Autosport (ASU603-03PN)	65121	33.00
ASU Connector Pins	68074	2.00ea
ASU Connector Sockets	68075	2.75ea

#### Pressure Sensor Connectors

	Part No.	Price
Delco 1 Bar MAP Sensor Connector	64002	9.00
Delco 3 Bar MAP Sensor Connector	64003	9.00
Standard Pressure Sensor Spare Connector	65013	11.00



#### Bosch Connectors

	Part No.	Price
2 Way Male Kit	65007	5.00
2 Way Female Kit	65008	5.00
3 Way Female Kit	65012	5.00
4 Way Female Kit	65140	6.00
5 Way Female Kit	65142	7.00
6 Way Female Kit	65144	10.00
7 Way Female Kit	65010	12.00

#### DTM Connectors

	Part No.	Price
2 Way Female Kit	68050	3.00
2 Way Male Kit	68051	3.40
3 Way Female Kit	68052	3.50
3 Way Male Kit	68053	3.75
4 Way Female Kit	68054	5.50
4 Way Male Kit	68055	6.00
6 Way Female Kit	68056	6.50
6 Way Male Kit	68057	7.00
8 Way Female Kit	68058	8.75
8 Way Male Kit	68059	9.50
12 Way Female Kit	68060	12.50
12 Way Male Kit	68061	14.50

#### DTP Connectors (for DHB)

	Part No.	Price
2 Way Female Kit	79125	6.50
2 Way Male Kit	79121	7.00

#### AMP Connectors

	Part No.	Price
1 Way Female Kit	65216	0.90
1 Way Male Kit	65215	0.92
2 Way Female Kit	65201	0.94
2 Way Male Kit	65200	0.96
3 Way Female Kit	65203	0.98
3 Way Male Kit	65202	1.00
4 Way Female Kit	65205	1.10
4 Way Male Kit	65204	1.14
5 Way Female Kit	65207	1.40
5 Way Male Kit	65206	1.40
6 Way Female Kit	65209	1.56
6 Way Male Kit	65208	1.54



<i><b>Cable</b></i>			<i><b>Price</b></i>
Raychem Type 44 Cable			
	22g	20g	
Black	90111	69999	0.90/m
White	90101	70004	0.90/m
Yellow	90102	70005	0.90/m
Green	90103	70007	0.90/m
Red	90104	70000	0.90/m
Blue	90105	70006	0.90/m
Pink	90106	70010	0.90/m
Brown	90107	70008	0.90/m
Orange	90108	70009	0.90/m
Grey	90109	70011	0.90/m
Violet	90110	70012	0.90/m

#### Special Cable

3 Core Cable (22g with PTFE sleeving)	81003	7.50/m
High Temperature Ethernet Cable (for PC Comms)	79350	16.00/m

<b>Heatshrink</b>	<b>Part No.</b>	<b>Price</b>
<b>Heatshrink</b>		
3.2mm diameter	62003	1.28/m
4.8mm diameter	62004	1.45/m
6.4mm diameter	62005	1.58/m
9.5mm diameter	62006	2.15/m
12.7mm diameter	62007	2.35/m
19.0mm diameter	62008	3.45/m
<b>Adhesive-Lined Heatshrink</b>		
3.2mm diameter	62020	5.25/m
6.4mm diameter	62022	7.15/m
12.7mm diameter	62024	9.52/m
19.0mm diameter	62025	11.40/m
<b>Raychem DR25 Heatshrink</b>		
1/8" diameter (3.2mm)	92003	3.98/m
3/16" diameter (4.8mm)	92004	5.64/m
1/4" diameter (6.4mm)	92005	5.86/m
1/2" diameter (12.7mm)	92006	7.10/m
3/4" diameter (19.0mm)	92007	10.85/m

#### Heatshrink Boots

Part No.

Price

#### Raychem Heatshrink Boots for MoTeC Products

202K163-25 Boot (ADL2)	65108	13.40
202K153-25 Boot (M880, E816, DBW4, VIM)	65109	11.60
202K142-25 Boot (SDL, ACL, IEX, TCM)	65110	10.80
202K121-25 Heatshrink Boot	65107	7.25
222K163-25 90 deg Boot (ADL2)	65111	16.45
222K152-25 90 deg Boot (M880, E816, DBW4, VIM)	65112	13.50
222K142-25 90 deg Boot (SDL, ACL, IEX, TCM)	65113	12.30
222K121-25 90 deg Heatshrink Boot	65114	10.65

#### Heatshrink Boots for Sensors

202A111-25 Boot for ASL Connector	65105	6.50
202A111-25/225 Pre-glued Boot for ASL Connector	65106	7.00
222A111-25 90 deg Boot for ASL Connector	65115	10.25
Hellermann 1030-4-G Boot for ASL Connector	65122	5.50
Hellermann 1030-4-GW24 Pre-glued Boot for ASL Connector	65116	7.00
Hellermann 1181-4-G 90 deg Boot for ASL Connector	65117	9.25
204W221-25 Boot for ASU Connector	65118	6.25
204W221-25/225 Pre-glued Boot for ASU Connector	65101	6.50
224W221-25 90 deg Boot for ASU Connector	65119	8.25

#### Protective Sleeving

Part No.

Price

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.

5mm diameter Heat Sleeving	92100	8.30/m
10mm diameter Heat Sleeving	92101	12.85/m

#### Wiring Tools

Part No.

Price

#### Crimping & Stripping

MoTeC Military Crimp Tool (fits all MoTeC mil type pins)	68073	235.00
Packard Crimp Tool	67022	217.00
M800 Crimp Tool	67024	271.00
Universal Wire Stripper	90018	22.00

#### De-Pinning

Autosport 22g De-Pinning Tool (plastic)	90003	1.67
Autosport 20g De-Pinning Tool (plastic)	90005	2.60
Autosport 16g De-Pinning Tool (plastic)	90006	4.52
Delco De-Pinning Tool (metal)	68001	55.00


#### Buttons & Switches

	Part No.	Price
Illuminated 12mm Momentary Button	67100	14.00
Illuminated 12mm Latching Button	67101	14.00
Illuminated 8mm Momentary Button	67102	10.00
Illuminated 8mm Latching Button	67103	12.00
Lenses for 12mm Button ( <i>blue, green, red, yellow</i> )	67506/7/8/9	4.00
Lenses for 8mm Button ( <i>green, red, yellow</i> )	67513/4/5	1.25
Lamps and LEDs for 12mm & 8mm Buttons	67501	1.25
19mm Push Buttons ( <i>blue, green, red, yellow</i> )	67111/2/3/4	10.00
Miniature Toggle Switch ( <i>DPDT</i> )	67201	6.25
Miniature Toggle Switch ( <i>SPDT</i> )	67203	5.00
10 Position Resistive Rotary Switch	56100	100.00
Gear Cut Roller Micro Switch	67115	15.00
2009 Yamaha R1 Gear Position Adaptor ( <i>includes mating half</i> )	79120	75.00

#### Illumination

	Part No.	Price
ADL2 Voltage Inverter ( <i>for backlit ADL2 only</i> )	61035	144.00
Dimmer Switch For Backlit SDL, ADL2, ADL3	61036	15.00

#### Shift/Warning LEDs

	Part No.	Price
		
<p>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.</p>		
SLM Shift Light Module	18120	235.00
SLM OEM ( <i>uncased SLM for steering wheel integration</i> )	18121	220.00
7mm Panel Light ( <i>blue, green, red, yellow</i> )	67520/1/2/3	9.00
10mm Panel Light ( <i>green, red, yellow</i> )	67540/1/2	11.00
10mm Panel Light ( <i>tri-colour</i> )	67543	15.00
Multi-Coloured LED Array	68007	15.00



## "Race smart." Clothing

**RETAIL**
**JULY 2009**

### "Race smart." Clothing

**Part No.**
**Price**

Get the MoTeC look with our eyecatching "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](http://www.motec.com.au/aboutmerchandise/merchandiseoverview). Please contact us to discuss sizing availability before placing your order

"Race smart" Cap	99512	10.00
"Race smart" Polo Shirt	See Table	25.00
"Race smart" Jacket	See Table	75.00

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**
**Price**

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	150.00
MoTeC Data Acquisition and Analysis Training	1 Day	150.00

### Technical Field Support

**Duration**
**Price**

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	300.00
MoTeC Field Support in Europe (exclusive of expenses)	1 Day	350.00
MoTeC Field Support in R.O.W. (exclusive of expenses)	1 Day	400.00

### Repairs, Testing, & Upgrades

**Price**

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	25.00
Sensor Testing & Calibration (please contact us)	P.O.A.

#### Upgrades

ADL/ADL2 Backlight Conversion	595.00
SDL Backlight Conversion	373.00
MDD or PLM Firmware Upgrade	F.O.C.

[www.motec.com](http://www.motec.com)