NEW

CENTRAL LOGGING SYSTEM

The ***MoTeC Central Logging System*** has been developed as the ultimate acquisition and communications tool for those that place high demands on their data system. This brand new system consists of an ***ACL (Advanced Central Logger)*** plus multiple ***VIMs (Versatile Input Modules)***.

ACL (ADVANCED CENTRAL LOGGER)

The ACL performs data logging, data communications and sophisticated calculations, as well as acquiring sensor data via the VIM expander modules. It also collects data from other connected devices such as an ECU or Dash Logger.

The ACL has a very large logging capacity (1GB) with fast download via an Ethernet connection. It provides all the advanced features of ***MOTEC***'s ADL2 Dash Logger, including warning alarms, fuel prediction, engine logs, timers, tables, user conditions, telemetry and more.

Separate display devices can be connected to the ACL, including ***MOTEC***'s MDD, ADL2 and SDL.

Feature Summary:

- High performance microprocessor
- 1GByte logging memory
- Very fast download via Ethernet
- Very fast logging rates, with combined rates of greater than 20MBytes per minute
- 200+ sensor inputs (using multiple VIM expanders)
- Compatible displays include ***MOTEC*** ADL2/SDL Dash Loggers & MDD (Mini Digital Display)
- Comms interfaces include: 2 x CAN, 2xRS232
- Dimensions: 154 x 128 x 28mm / 6.1 x 5.0 x 1.1 inches

VIM (VERSATILE INPUT MODULE)

The VIM is a compact and versatile input expander module with high resolution inputs. It has 24 Analog inputs of various types including eight differential inputs with programmable gain which are suitable for strain gauges and isolated thermocouples.

It also has 2 Digital Inputs with programmable trigger levels which are generally used for wheel speed measurement.

Multiple VIMs may be connected to the ACL Central Logger via a two wire CAN connection, allowing for more than 200 sensor inputs.

The distributed nature of the VIMs allows them to be located close to the connected sensors, minimising wiring complexity and weight.

Feature Summary:

- 2 x 15bit single ended inputs (2kHz)
- 8 x 15bit single ended inputs (500Hz)
- 8 x 15bit differential inputs with programmable gain (1kHz)
- 6 x 12bit high speed inputs (5kHz)
- 2 x Digital inputs with programmable trigger levels
- Dimensions: 90 x 38 x 26mm / 3.5 x 1.5 x 1.0 inches

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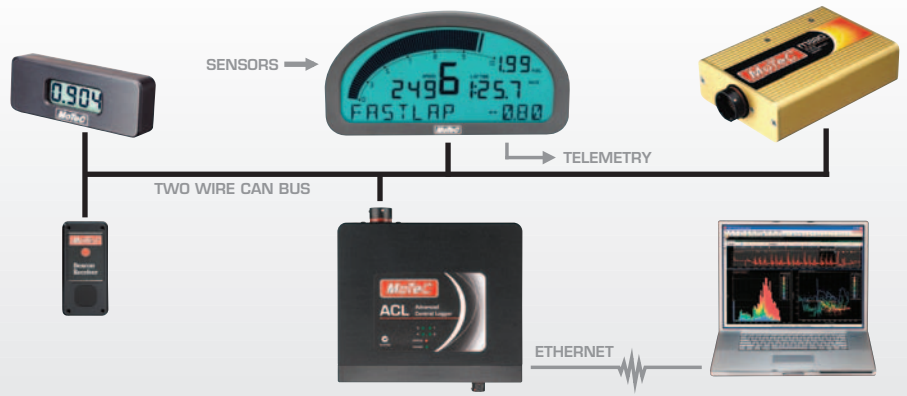
COMPLETE CENTRAL LOGGING SYSTEM SOLUTIONS

These examples have been chosen to illustrate how the Central Logging System might suit your application, however several other configurations are also possible. Please speak with a MoTeC representative for details.

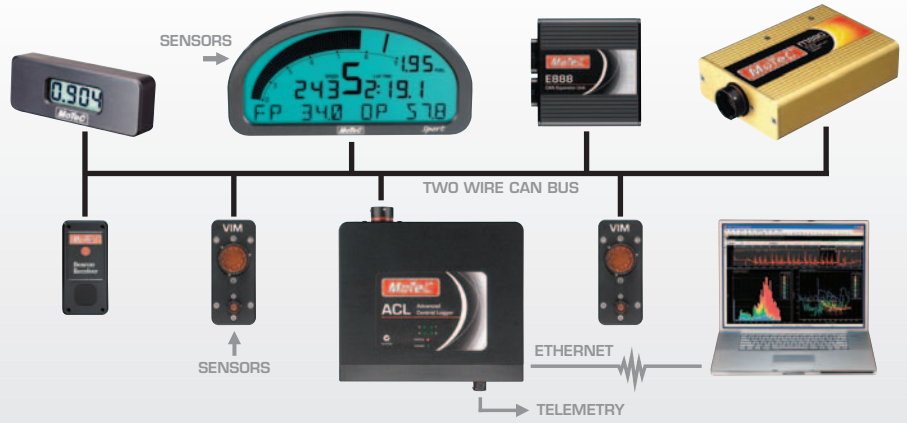
1 EXPAND CURRENT ADL2 SYSTEM FOR EXTRA STORAGE



An ideal solution for those with an existing ADL2 Dash Logger:

- **Display & Outputs:** ADL2
- **Storage:** Add NEW ACL Advanced Central Logger for up to 1Gb extra logging capacity with fast ethernet download
- **Inputs:** Keep existing ADL2 wiring - data transferred on CAN to ACL
- **Buttons:** into ADL2, MDD steering wheel can be used for button inputs
- **Telemetry:** from ADL2

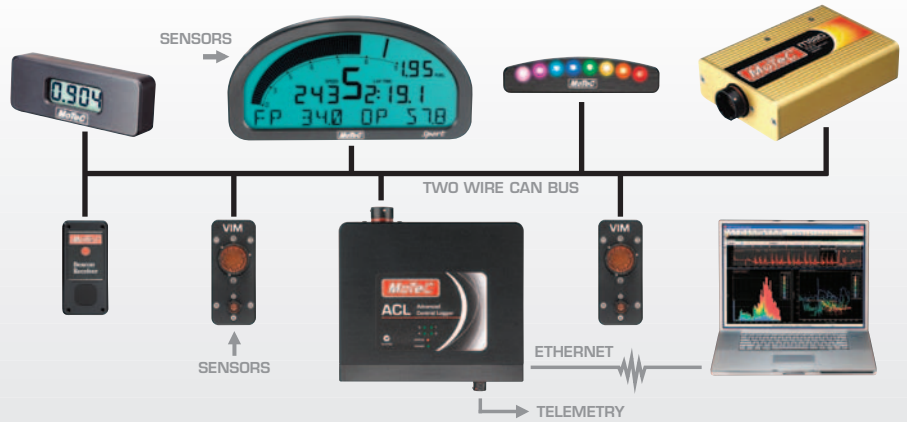
2 NEW INSTALLATION WITH SDL & E888 FOR EXTRA OUTPUTS



A smart solution for an all-new system installation:

- **Display:** SDL Sport Dash Logger (non-logging), incl. multiple pages: Warm Up, Practice, Race
- **Storage:** NEW ACL with up to 1Gb logging and fast ethernet download
- **Outputs:** Use SDL to operate shift lights, E888 CAN Expansion Unit to run other outputs
- **Inputs:** Sensor inputs into VIMs and SDL
- **Buttons:** into SDL, MDD steering wheel can be used for button inputs
- **Telemetry:** from ACL

3 NEW INSTALLATION WITH SDL & SHIFT LIGHT MODULE (SLM)



Another smart solution for a new installation, using the new SLM:

- **Display:** SDL Sport Dash Logger (non-logging), incl. multiple pages: Warm Up, Practice, Race
- **Storage:** NEW ACL with up to 1Gb logging and fast ethernet download
- **Outputs:** MoTeC's NEW SLM provides CAN based LED shift lights, allowing the SDL outputs to be used for other functions, e.g. pumps, fans
- **Inputs:** Sensor inputs into VIMs and SDL
- **Buttons:** into SDL, MDD steering wheel can be used for button inputs
- **Telemetry:** from ACL

SDL - SPORT DASH LOGGER

Available as display only (non-logging) or with 8Mb logging memory. Backlight optional.

ACL - ADVANCED CENTRAL LOGGER

Supplied with 1Gb logging memory. (Larger memory options proposed in future)

VIM - VERSATILE INPUT MODULE

Multiple VIMs may be installed for maximum input flexibility.

E888 - CAN EXPANSION UNIT

Provides additional output flexibility.

SLM - SHIFT LIGHT MODULE (CAN)

Eight programmable and adjustable high intensity RGB LEDs.