Display Loggers

MoTeC C1 Series Color Display Loggers

M C125 USB

Click image to view an animation of screenshots

The C125 is an exciting addition to MoTeC's new range of colour Displays and Display Loggers. The C125 offers display, data logging, auxiliary control and programmable LEDs all in one compact device. The vivid 125mm screen (approx 5") is high resolution, ultra bright and anti-reflective for easy reading in direct sunlight. An array of ten full color LEDs is integrated into the unit for use as shift lights, warning lights or other driver alerts.

Numerous selectable layouts are provided with superb graphics that cater for day and night viewing. Within these layouts users can configure the channels and labels to suit their application. The C125 acquires data from devices such as an ECU and displays data channels, warning alarms, lap times, fuel calculations and much more.

Display
Type: TFT LCD, anti-reflective
Resolution: 800 x 480, anti-aliased graphics
Selectable fixed layouts with channel and label configurability
48 user-defined, scrollable message lines with programmable overrides
3 programmable 'pages', for example Practice, Warm-Up, Race

Communications
2 x Configurable CAN buses with individually programmable CAN bus speeds. One can be used as RS232 Receive
RS232: 2 x RS232 ports
One with Transmit and Receive
One with Receive only

Physical
Dimensions 134.5 x 103.9 x 20.2 mm excluding connectorAnodised aluminium housing
Weight 360 g
1 x 34 pin waterproof connector

Logging (optional - requires Logging Upgrade)
120 MB logging memory
Logging rates up to 500 samples per second
Fast Ethernet download
Includes i2 Standard data analysis software (i2 Pro available as an upgrade)

Inputs (optional - requires I/O Upgrade)
6 x analogue voltage inputs
2 x analogue temperature inputs
2 x digital inputs
3 x speed inputs

Outputs (optional - requires I/O Upgrade)
4 x low side outputs
PWM or switched operation

Internal Sensors
3-axis G sensor
Dash temperature sensor
Sensor supply voltage
Battery voltage

Expanders
Compatible with MoTeC E888 and E816 Expanders, providing full functionality.

Web	Item Number	Description
	M C125 USB	COLOR DISPLAY LOGGER

C125 USB Upgrades

Data Logging
This upgrade allows for the recording of input data (e.g. from sensors and ECUs) to the C125's internal 120 MB logging memory. It includes use of MoTeC's world class i2 data analysis software. The advanced version, i2 Pro, can be used by purchasing the Pro Analysis Upgrade or a Feature Licence.

Pro Analysis
Provides access to advanced i2 Pro data analysis software with multiple graph overlays, X-Y plots, advanced maths functions, synchronised video (automatic alignment), and flexible layouts to accommodate virtually any user preference.

I/O Upgrade
This upgrade activates additional C125 inputs and outputs. It allows for:

Wiring of sensors into the C125 using either a custom loom or MoTeC's pre-wired C125 I/O Loom. This professional quality terminated loom adds 6 analogue voltage inputs and 2 analogue temperature inputs.
Use of 2 digital and 3 speed inputs. These are already pre-wired into the button lead of the C125 Terminated Loom.
Use of 4 auxiliary outputs; these will require custom wiring.

MoTeC C1 Series Color Display Loggers

M C127 USB

The C127 is a new model in MoTeC's range of Displays and Display Loggers, featuring an impressively generous, high resolution, full colour screen. Stylishly designed and powerful in functionality, the C127 can be upgraded to a logger at any time using a simple password system. Measuring 178 mm (approx. 7 inches), the ultra bright screen is vibrant and anti-reflective, making it easy to view in direct sunlight. Numerous selectable layouts are supplied in various designs, with configurable channels, labels and colour schemes.

The C127 features a total of 16 full colour LEDs integrated into the unit for use as shift lights, warning lights or other driver alerts. The colour, function and intensity of each LED is programmable, allowing users to develop their own unique strategies and sequences.

Web	Item Number	Description
🌐	**M C127 USB**	**7" COLOR DISPLAY LOGGER**

C127 USB Upgrades

Display Creator

The Display Creator upgrade allows users to design custom graphics and screen layouts for display on the C127 screen, tailoring the look and functionality to a specific application. Designs can incorporate images, logos, icons, colour themes and creative gauge ideas.

The Display Creator software is free to download and experiment, but the upgrade must be enabled in order to send screen configurations to the device.

Data Logging

This upgrade allows for the recording of input data (e.g. from sensors and ECUs) to the C125's internal 120 MB logging memory. It includes use of MoTeC's world class i2 data analysis software. The advanced version, i2 Pro, can be used by purchasing the Pro Analysis Upgrade or a Feature Licence.

Pro Analysis

Provides access to advanced **i2** Pro data analysis software with multiple graph overlays, X-Y plots, advanced maths functions, synchronised video (automatic alignment), and flexible layouts to accommodate virtually any user preference.

I/O Upgrade

This upgrade activates additional C125 inputs and outputs. It allows for:

Wiring of sensors into the C125 using either a custom loom or MoTeC's pre-wired C125 I/O Loom. This professional quality terminated loom adds 6 analogue voltage inputs and 2 analogue temperature inputs.
Use of 2 digital and 3 speed inputs. These are already pre-wired into the button lead of the C125 Terminated Loom.
Use of 4 auxiliary outputs; these will require custom wiring.

Display
Type: TFT LCD, anti-reflective
Resolution: 800 x 480, anti-aliased graphics
Selectable fixed layouts with channel and label configurability
48 user-defined, scrollable message lines with programmable overrides
3 programmable 'pages', for example Practice, Warm-Up, Race

Communications
2 x Configurable CAN buses with individually programmable CAN bus speeds. One can be used as RS232 Receive
RS232: 2 x RS232 ports
      One with Transmit and Receive
      One with Receive only

Physical
Dimensions 196.2 x 122.5 x 24.9 mm excluding connectorAnodised aluminium housing
Weight 615 g
1 x 34 pin waterproof connector

Logging (optional - requires Logging Upgrade)
120 MB logging memory
Logging rates up to 500 samples per second
Fast Ethernet download
Includes i2 Standard data analysis software (i2 Pro available as an upgrade)

Inputs (optional - requires I/O Upgrade)
6 x analogue voltage inputs
2 x analogue temperature inputs
2 x digital inputs
3 x speed inputs

Outputs (optional - requires I/O Upgrade)
4 x low side outputs
      PWM or switched operation

Internal Sensors
3-axis G sensor
Dash temperature sensor
Sensor supply voltage
Battery voltage

Expanders
Compatible with MoTeC E888 and E816 Expanders, providing full functionality.

MoTeC C1 Series Color Display Loggers

M C185 USB

With the release of the C185 Display Logger, MoTeC now offers the best of both worlds - a stunning full colour display combined with a powerful, professional level data logger. It comes standard with 250 MB internal logging memory (can be upgraded to 500 MB) and MoTeC's world-renowned i2 data analysis software. A Pro option is available for expert analysis.

The vivid 125mm screen (approx 5") is high resolution, ultra bright and anti-reflective for easy reading in direct sunlight. Numerous selectable layouts are provided with superb graphics that cater for day and night viewing. Within these layouts users can configure the channels and labels to suit their application.

An array of ten full colour LEDs is integrated into the unit for use as shift lights, warning lights or other driver alerts. The colour, function and intensity of each LED is programmable, allowing users to develop their own unique strategies and sequences.

Web	Item Number	Description
🌐	**M C185 USB**	**COLOR DISPLAY LOGGER**

Display
Type: TFT LCD, anti-reflective
Resolution: 800 x 480, anti-aliased graphics
Selectable fixed layouts with channel and label configurability
48 user-defined, scrollable message lines with programmable overrides
3 programmable 'pages', for example Practice, Warm-Up, Race

Communications
4 x Configurable CAN buses with individually programmable CAN bus speeds.
One can be used as RS232 Receive
Two CAN buses support VIM/SVIM Expanders
2 x dedicated RS232 ports

Physical
Dimensions 134.5 x 103.9 x 20.2 mm excluding connector
Weight 410 g
1 x 79 pin Autosport connector

Logging (optional - requires Logging Upgrade)
250 MB logging memory (500 MB optional)
Logging rates up to 1000 samples per second
Fast Ethernet download
Includes i2 Standard data analysis software (i2 Pro available as an upgrade)

Inputs (optional - requires I/O Upgrade)
10 x analogue voltage inputs (20 with I/O upgrade)
4 x analogue temperature inputs (8 with I/O upgrade)
4 x digital inputs
2 x switch inputs
4 x speed inputs

Outputs (optional - requires I/O Upgrade)
6 x low side outputs
PWM or switched operation

Internal Sensors
3-axis G sensor
Dash temperature sensor
Sensor supply voltage
Battery voltage

Expanders
Compatible with MoTeC E888 and E816 Expanders, providing full functionality.
Compatible with MoTeC VIM/SVIM Expanders

C185 USB Upgrades

Data Logging
Increases the internal logging memory to 500 MB (Standard 250 MB)

Pro Analysis
Provides access to advanced **i2** Pro data analysis software with multiple graph overlays, X-Y plots, advanced maths functions, synchronised video (automatic alignment), and flexible layouts to accommodate virtually any user preference.

I/O Upgrade
This upgrade activates additional C185 inputs:
10 additional analogue voltage inputs
4 additional analogue temperature inputs
Use of 4 auxiliary outputs; these will require custom wiring.

Advanced Functions
Enables more complex functionality, including:
Advanced Maths
Channel Maths
16 x 2D Tables (4 as standard)
16 x 3D Tables (4 as standard)
50 User Conditions (20 as standard)

T2 Telemetry - Available Soon
Provides access to MoTeC's next generation Telemetry software, more information coming soon.

MoTeC C1 Series Color Display Loggers

M C187 USB

The C187 is MoTeC's latest professional level Display Logger featuring an impressively generous, full colour screen. It comes standard with 250 MB internal logging memory (can be upgraded to 500 MB) and MoTeC's world-renowned i2 data analysis software. A Pro option is available for expert analysis.

The vivid 178mm screen (approx 7") is high resolution, ultra bright and anti-reflective for easy reading in direct sunlight. Choose from numerous selectable layouts and configure the channels, labels and colours to suit. Or, opt for the new Display Creator upgrade and treat your screen as a blank canvas - design your own unique graphics, incorporate images, logos and custom icons. Create multiple pages to suit different scenarios, optimising the screen space for your application.

An array of 16 full colour LEDs is integrated into the unit for use as shift lights, warning lights or other driver alerts. The colour, function and intensity of each LED is programmable, allowing users to develop their own unique strategies and sequences.

Web	Item Number	Description
🌐	M C187 USB	7" COLOR DISPLAY LOGGER

C187 USB Upgrades

Data Logging
Increases the internal logging memory to 500 MB (Standard 250 MB)

Pro Analysis
Provides access to advanced **i2** Pro data analysis software with multiple graph overlays, X-Y plots, advanced maths functions, synchronised video (automatic alignment), and flexible layouts to accommodate virtually any user preference.

I/O Upgrade
This upgrade activates additional C185 inputs:
10 additional analogue voltage inputs
4 additional analogue temperature inputs

Advanced Functions
Enables more complex functionality, including:
Advanced Maths
Channel Maths
16 x 2D Tables (4 as standard)
16 x 3D Tables (4 as standard)
50 User Conditions (20 as standard)

T2 Telemetry - Available Soon
Provides access to MoTeC's next generation Telemetry software

Display
Type: TFT LCD, anti-reflective
Resolution: 800 x 480, anti-aliased graphics
Selectable fixed layouts with channel and label configurability
48 user-defined, scrollable message lines with programmable overrides
3 programmable 'pages', for example Practice, Warm-Up, Race

Communications
4 x Configurable CAN buses with individually programmable CAN bus speeds. One can be used as RS232 Receive
Two CAN buses support VIM/SVIM Expanders
2 x dedicated RS232 ports

Physical
Dimensions 196.2 x 122.5 x 24.9 mm excluding connector
Weight 670 g
1 x 79 pin Autosport connector

Logging (optional - requires Logging Upgrade)
250 MB logging memory (500 MB optional)
Logging rates up to 1000 samples per second
Fast Ethernet download
Includes i2 Standard data analysis software (i2 Pro available as an upgrade)

Inputs (optional - requires I/O Upgrade)
10 x analogue voltage inputs (20 with I/O upgrade)
4 x analogue temperature inputs (8 with I/O upgrade)
4 x digital inputs
2 x switch inputs
4 x speed inputs

Outputs (optional - requires I/O Upgrade)
6 x low side outputs
PWM or switched operation

Internal Sensors
3-axis G sensor
Dash temperature sensor
Sensor supply voltage
Battery voltage

Expanders
Compatible with MoTeC E888 and E816 Expanders, providing full functionality.
Compatible with MoTeC VIM/SVIM Expanders

M1212 USB

The C1212 is a new model in MoTeC's range of Displays and Display Loggers, featuring an impressively generous, high resolution, full colour screen. Stylishly designed with powerful functionality, the C1212 provides all the benefits of a sophisticated display plus data logging and auxiliary control in one streamlined device.

This model also includes a composite video input as standard (e.g. for a rear vision camera), and USB Logging to a removable storage device as an optional upgrade.

Measuring 311mm (approx. 12 inches), the ultra bright C1212 screen is vibrant and anti-reflective, making it easy to view in direct sunlight. Numerous selectable layouts are supplied with configurable channels, labels and colour schemes. Or, for the flexibility to treat your screen as a blank canvas and design your own layout with unique graphics, sponsor logos, custom icons and gauges, opt for the Display Creator upgrade.

Web	Item Number	Description
🔴	M C1212 USB	12'' COLOR DSPL LOGGER

M1212 USB Upgrades

120 MB Logging
NEW VERSION Logging Level 1 upgrade allows for the recording of input data (e.g. from sensors and ECUs) to the C1212's internal 120 MB logging memory. It includes use of MoTeC's world class i2 data analysis software. The advanced version, i2 Pro, can be used by purchasing the Pro Analysis Upgrade or a Feature Licence.

USB Logging ‡
Logging Level 2 upgrade further enhances Logging Level 1 upgrade to include USB logging. It includes the required "Custom USB Logging" cable.

I/O Upgrade
This upgrade activates additional C1212 inputs and outputs. It allows for:
· Wiring of sensors into the C1212 using either a custom loom or MoTeC's pre-wired C1212 I/O Loom. This professional quality terminated loom adds 6 analogue voltage inputs and 2 analogue temperature inputs.
· Use of 2 digital and 3 speed inputs. These are already rewired into the button lead of the C1212 Terminated Loom.
· Use of 4 auxiliary outputs; these will require custom wiring.

Display Creator
The Display Creator upgrade allows users to design custom graphics and screen layouts for display on the C1212 screen, tailoring the look and functionality to a specific application. Designs can incorporate images, logos, icons, colour themes and creative gauge ideas.
The Display Creator software is free to download and experiment, but the upgrade must be enabled in order to send screen configurations to the device.

Pro Analysis
Provides access to advanced i2 Pro data analysis software with multiple graph overlays, X-Y plots, advanced maths functions, synchronised video (automatic alignment), and flexible layouts to accommodate virtually any user preference.

T2 Telemetry
Provides access to MoTeC's next generation T2 Telemetry software.

‡ Requires 120 MB Logging

Display
For full customisation of the display layout and graphics add the Display Creator option.
Screen: Colour TFT LCD, anti-reflective
Resolution: 1280 x 480, anti-aliased graphics
Selectable fixed layouts with channel and label configurability
48 user-defined, scrollable message lines with programmable overrides
3 programmable 'pages', for example Practice, Warm-Up, Race

Communications
2 x Configurable CAN buses with individually programmable CAN bus speeds
One can be used as RS232 Receive
RS232: 2 x RS232 ports
One with Transmit and Receive
One with Receive only

Physical
Dimensions 340.8 x 147.6 x 34 mm excluding connector
Weight 1.690 kg
1 x 34 pin waterproof connector
1 x mini USB port

Logging (optional - requires Logging Upgrade)
Level 1: 120 MB logging memory
Level 2: USB Logging to a removable storage device (flash drive)
32 GB USB storage devices available
Logging rates up to 500 samples per second
Fast Ethernet download
Includes i2 Standard data analysis software (i2 Pro available as an upgrade)

Inputs
2 x Digital inputs
3 x Speed inputs
1 x Composite Video Input for the connection of a PAL or NTSC camera

Inputs (optional - requires I/O Upgrade)
6 x Analogue voltage inputs
2 x Analogue temperature inputs

Outputs (optional - requires I/O Upgrade)
4 x low side outputs
PWM or switched operation

Internal Sensors
3-axis G sensor
Dash temperature sensor
Sensor supply voltage
Battery voltage

Expanders
Compatible with MoTeC E888 and E816 Expanders, providing full functionality.

M1812 USB

The C1812 is MoTeC's latest professional level Display Logger featuring an impressively generous, full colour screen. It comes standard with 250 MB internal logging memory and MoTeC's world-renowned i2 data analysis software. A Pro option is available for expert analysis.

C1812s now offer the convenience and flexibility of USB Logging, an optional upgrade that can be enabled in the field at any time. This upgrade also increases the internal memory to 500 MB. In addition, recently built models provide three composite video inputs for a live camera feed on the display screen.

The vivid 311mm screen (approx 12") is high resolution, ultra bright and anti-reflective for easy reading in direct sunlight. Choose from numerous selectable layouts and configure the channels, labels and colours to suit. Or, opt for the Display Creator upgrade and treat your screen as a blank canvas with unique graphics, images, logos and custom icons. Create multiple pages to suit different scenarios, optimising the screen space for your application.

Web	Item Number	Description
	M C1812 USB	12'' COLOR DSPL LOGGER

M1812 USB Upgrades

500Mb + USB Logging

Logging Level 2 upgrade increases the C1812's internal logging memory to 500 MB and enables the use of USB logging. It includes the required "Custom USB Logging" cable.
It also comes with use of MoTeC's world class i2 data analysis software. The advanced version, i2 Pro, can be used by purchasing the Pro Analysis Upgrade or a Feature Licence.

44 I/O

This upgrade activates additional C1812 inputs and outputs. It allows for:
- 10 additional analogue voltage inputs
- 4 additional analogue temperature inputs

Display Creator

The Display Creator upgrade allows users to design custom graphics and screen layouts for display on the C1812 screen, tailoring the look and functionality to a specific application. Designs can incorporate images, logos, icons, colour themes and creative gauge ideas.
The Display Creator software is free to download and experiment, but the upgrade must be enabled in order to send screen configurations to the device.

Pro Analysis

Provides access to advanced i2 Pro data analysis software with multiple graph overlays, X-Y plots, advanced maths functions, synchronised video (automatic alignment), and flexible layouts to accommodate virtually any user preference.

T2 Telemetry

Provides access to MoTeC's next generation T2 Telemetry software.

Advanced Functions

Enables more complex functionality, including:
- Advanced Maths
- Channel Maths
- 16 x 2D Tables (4 as standard)
- 16 x 3D Tables (4 as standard)
- 50 User Conditions (20 as standard)

Display

For full customisation of the display layout and graphics add the Display Creator option.
Screen: Colour TFT LCD, anti-reflective
Resolution: 1280 x 480, anti-aliased graphics
Selectable fixed layouts with channel and label configurability
48 user-defined, scrollable message lines with programmable overrides
3 programmable 'pages', for example Practice, Warm-Up, Race

Logging

250 MB internal logging memory
Optional USB Logging to a removable storage device (flash drive) includes upgrade to 500 MB internal memory
Logging rates up to 1000 samples per second
Fast Ethernet download
Includes i2 Standard data analysis software (i2 Pro available as an upgrade)

Communications

4 x configurable CAN buses with individually programmable CAN bus speeds
One can be used as RS232 Receive
Two CAN buses support VIM/SVIM Expanders
2 x dedicated RS232 ports

Physical

Dimensions 340.8 x 147.6 x 34 mm excluding connector, connector bosses and studs
Weight 1.712kg
1 x 79 pin Autosport connector
1 x mini USB port

Inputs

10 x analogue voltage inputs (20 with I/O Upgrade)
4 x analogue temperature inputs (8 with I/O upgrade)
4 x digital inputs
2 x switch inputs
4 x speed inputs
3 x Composite Video Inputs for the connection of PAL or NTSC cameras

Outputs

6 x low side outputs
PWM or switched operation

Internal Sensors

3-axis G sensor
Dash temperature sensor
Sensor supply voltage
Battery voltage

Expanders

Compatible with MoTeC E888 and E816 Expanders, providing full functionality.

Club Dash Logger 3 (CDL3)

The Club Dash Logger (CDL3) comes standard as a combined backlit display and powerful control device in one lightweight unit. With the addition of the Data Logging upgrade it becomes a fully programmable data logger with 8MB memory. It offers the same construction and advanced technology as the top of the line ADL3, with a package of features tailored to entry level motorsport requirements. The screen layout is fully configurable to display a multitude of data channels, warning alarms, lap times, fuel calculations, minimum corner speeds, maximum straight speeds and more. The CDL3 performs calculations, acquiring data from other devices such as an ECU.

Features

All-in-one display, logger and controller
Suitable for bikes, cars, marine and industrial applications
Compact, durable and reliable unit
Supports Wideband Lambda from MoTeC PLMs or LTCs
Easily integrates with MoTeC CAN-based expanders, GPS, shift lights and ECUs

Web	Item Number	Description
🌐	**M CDL3**	**CLUB DISPLAY LOGGER**

Inputs
4 x Analogue voltage high resolution inputs
2 x Analogue temperature inputs
2 x Digital inputs
3 x Speed inputs with voltage measuring capability
Compatible with E888 expander (8 Thermocouples only)

Outputs
4 x PWM, switched or digital outputs Logging
8 MB logging memory
Logging rates up to 500 samples per second
Fast Ethernet download Additional Information

Compatibility
MoTeC ECUs: M4, M48, M8, M84, M400, M600, M800 and M880
MoTeC Accessories: MDD, E888, SLM, PLM, LTC, BR2, PDM, GPS, VCS etc.
Many non-MoTeC devices

CDL3 Upgrades

Data Logging
Allows recording of input data (e.g from sensors and ECUs) to the CDL3's 8 MB internal logging memory and includes use of MoTeC's i2 Standard data analysis software. i2 Pro can be used by purchasing a Feature Licence.

12 I/O Upgrade
This upgrade activates additional CDL3 inputs and outputs. It allows for:
Wiring of 6 sensors into the CDL3 using either a custom loom or MoTeC's pre-wired CDL3 I/O Loom. This professional quality terminated loom adds 4 analogue voltage inputs and 2 analogue temperature inputs.
Use of 2 digital and 3 speed inputs. These are already pre-wired into the button lead of the CDL3 Terminated Loom.
Use of 4 auxiliary outputs; these will require custom wiring.

Accessory Kit

M CDL3 ACC KIT
CDL3 ACCESSORY KIT

Club Shift Light Module   CDL3 Wiring Loom   2 Button Loom   10Hz GPS