MoTeC

C125 - COLOR DISPLAY LOGGER SYSTEM

The C125 Display Logger System is a cost-effective, full color, plug and play Display Logger solution that offers professional level features without the hassle of a customised installation. It provides a complete, race-ready display and data logging system that can be adapted and expanded to suit various applications.

▶ FEATURES

- High resolution color LCD display logger with 120 MB memory and i2 Standard software (i2 Pro Analysis optional)

- Controller with C125 I/O Upgrade (optional)

- Display size 125 mm (5" approx)

- High brightness for sunlight readability

- Displayed channels and labels are configurable on supplied layouts

- 48 user-defined, scrollable message lines with programmable overrides

- 3 programmable modes with customisable labels, e.g. Practice, Warm-Up and Race

- 10 full color (RGB) LEDs; color, function and intensity are fully programmable

- Suitable for bikes, cars, marine and industrial applications

- Supports Wideband Lambda from MoTeC PLMs or LTCs

- Easily integrates with MoTeC CAN based products such as GPS, shift lights, ECUs and expanders. Full I/O expansion is available with use of E888 and E816 expanders.

▶ FUNCTIONS

The C125 Logger allows the performance of the following functions, and more:

- Data analysis using MoTeC's i2 software

- Lap timing

- Shift lights

- Warnings

- Display of sensor values

- Engine performance measurement

▶ KIT CONTENTS

C125 COLOR DISPLAY LOGGER
C125   120MB LOGGING
C125 ACCESSORY KIT containing:

- 41304 – GPS L10 10Hz

- 61221 – TWO BUTTON LOOM

- 61225 – NETWORK CABLE RJ45 1.5 METRE

- 62204 – C125 RACE LOOM TERMINATED

▶ CONNECTING THE C125 DISPLAY LOGGER

The C125 Logger has a professional level terminated loom that is pre-configured to get the most out of your C125. This loom plugs into the back of the C125, and has labelled wires for each of the devices that come with the kit.

Follow these guidelines to connect the loom:

Power

Plug the power adapter into a spare power supply socket. If your vehicle does not have a power supply socket, cut off the adapter, and connect the red wire to a fused 12 V source and the black wire to chassis ground.

GPS

Ensure that you connect the GPS L10 unit only into the lead labelled "GPS".

⚠️ Plugging a GPS into the Accessory lead will damage the GPS.

Buttons

Plug in the button loom as supplied. The standard button configuration is:

Function	Operation
Next Line	Press the green button
Change Display Mode	Press and hold the green (on some installations the red) button for 0.5 seconds
Alarm Acknowledge	Press the red button
Fastest Lap Reset	Press and hold the red button for 3 seconds

Accessory

Use this lead to connect a MoTeC CAN based product to the C125, such as LTC, Expander, HD-VCS, etc.

ECU

ECU communications are sent to the C125 via the ECU connector. Terminated looms are available for OBD-II, MoTeC hundred series ECUs and RS232 (M4, M48, M8 and other). These looms are listed under Accessories.

⇨ RS232 connection may require an additional cable/adapter to be used in conjunction with the RS232 adapter.

Ethernet

This connector is used for communications between your C125 and a PC during configuration.

Further Information

See the C125 User Manual and individual datasheets for further information.

▶ ACCESSORIES

Supplied products may differ slightly to the images below.

OBD-II TO DISPLAY LOOM

A terminated OBD-II loom that connects the C125 loom to a vehicle's OBD-II port with no other wiring required. This allows vehicles 2007 or newer to easily use the C125 kit.

CAN ECU TO DISPLAY LOOM

This loom lets a user install the C125 kit into their M400/M600/M800/M84 equipped car without requiring custom wiring. Simply plug the AMP connector into the ECU download port, and the other end into the ECU connector.

RS232 ECU TO DISPLAY LOOM

For users with RS232 based ECUs, you can plug this loom into your D9 download cable, and the other into your C125 loom ECU connector. Additional adapters may be required in some instances.

C125 I/O LOOM

When combined with the C125 I/O upgrade (Part#29600), this loom adds extra inputs to your C125 loom in a simple, easy to install fashion. This loom has eight 2 metre flying leads, and adds 6 AV and 2 AT inputs to your system.

CURLY CORD LOOM TERMINATED

The terminated curly cord allows the buttons included with the C125 kit to be easily moved onto the steering wheel. The loom is pre-terminated with a 6 pin DTM, and has 6 straight through wires, allowing for additional buttons if required.