

Displays

MoTeC D1 Series Color Displays

M D153

Click image to view an animation of screenshots



The D153 display is part of MoTeC's D1 Series. This compact, configurable and high brightness colour display (readable in direct sunlight) is used with MoTeC data loggers. It is designed primarily for mounting on steering wheels, with inputs provided to suit steering wheel mounted switches that allow transmission of switch state on CAN.

Like the MDD it replaces, the D153 is an ideal size for steering wheel mounting and is designed to be controlled and configured by a MoTeC data logger. Numerous inputs are provided for buttons and dials, enabling the unit to activate functions in other CAN-based devices, such as traction control and pitlane speed limiting, with minimal wiring.

MoTeC's initial release provides fixed layouts and selectable channels, allowing users to choose the parameters they wish to monitor in various modes. Full screen configurability will be offered in future and most customers will be able to upgrade their existing unit via a software update

Features


- 90 mm colour LCD display (3.54")
- Compact case for mounting to steering wheels
- High brightness for optimum readability in sunlight
- Receives display messages from MoTeC data loggers
- Sends input data to other devices via CAN
- Provision for up to 14 steering wheel-mounted buttons and dials

Compatibility

The D153 Mini Colour Display is designed to work with MoTeC Data Loggers:

- ACL Advanced Central Logger
- EDL3 Enclosed Advanced Dash Logger
- ESDL3 Enclosed Sport Dash Logger
- ADL3 Advanced Dash Logger
- SDL3 Sport Dash Logger
- CDL3 Club Dash Logger
- Previous Dash Logger models



Web	Item Number	Description
	M D153	COLOR MINI DISPLAY

Analog inputs

- Amount: 8 (can be used for switches or potentiometers)
- Measurement range: 0V to 4V
- Maximum operating voltage = 7.0V *
- Maximum protected voltage = 32V
- Input equivalent: 10kΩ to 4.0V

Switch inputs

- Amount: 6
- Threshold High max = 3.5V
- Threshold Low min = 0.8V
- Maximum operating voltage = 32V
- Input equivalent: 10kΩ to 4.0V

Power supply

- Operating voltage = 6.5V to 32V
- Operating current = 380mA (typical) at 14V, full brightness
- Reverse battery protected

Communications

- CAN 1 Mbit/sec

Display

- Type: TFT LCD, anti-reflective
- Resolution: 320 x 240, anti-aliased graphics
- Brightness: controlled via CAN message, 100 steps
- Layouts: selectable fixed layouts

Operating temperature

- Internal: -20°C to 70°C (above 60°C maximum backlight brightness progressively reduced)
- Typical maximum ambient temperature in free air: 50°C

* Above this voltage other inputs may be affected.

MoTeC D1 Series Color Displays

M D175

The D175 Display is part of MoTeC's D1 Series. This configurable and high brightness colour display is readable in direct sunlight and includes an integrated LED array; it is used with MoTeC Data Loggers.

Features

- High resolution 125 mm colour LCD display (5" approx)
- 10 integrated full colour LED lights - programmable colour, function and intensity
- High brightness for optimum readability in sunlight
- Receives display messages from MoTeC data loggers
- Sends input data to other devices via CAN
- 8 analogue inputs
- Autosport connector

Compatibility

The D175 Colour Display is designed to work with MoTeC Data Loggers:

- ACL Advanced Central Logger
- EDL3 Enclosed Advanced Dash Logger
- ESDL3 Enclosed Sport Dash Logger
- ADL3 Advanced Dash Logger
- SDL3 Sport Dash Logger
- CDL3 Club Dash Logger
- Previous Dash Logger models

It is envisaged that the D175 will have its own configuration software in future, allowing it to run as a standalone unit.



Analogue inputs

- Amount: 8 (can be used for switches or potentiometers)
- Measurement range: 0V to 4V
- Maximum operating voltage = 17V *
- Maximum protected voltage = 32V
- Input equivalent: 10kΩ to 4.0V

Power supply

- Operating voltage = 6.5V to 32V
- Operating current = 380mA (typical) at 14V, full brightness
- Reverse battery protected

Communications

- CAN 1 Mbit/sec

Display

- Type: TFT LCD, anti-reflective
- Resolution: 600 x 480, anti-aliased graphics
- Brightness: controlled via CAN message, 100 steps
- Layouts: selectable fixed layouts, user programmable layouts available in future releases.

LED array

- 10 RGB LEDs
- Colour, function and intensity are fully programmable.

Operating temperature

- Internal: -20°C to 70°C (above 60°C maximum backlight brightness progressively reduced)
- Typical maximum ambient temperature in free air: 55°C

Physical

- Weight: 320gms (excluding wiring)
- Anodised aluminium housing

*Above this voltage other inputs may be affected.

Web	Item Number	Description
	M D175	5" COLOR DISPLAY WITH SLM