

M-FLEX 4.3" COLOR DISPLAY

The M-Flex 4.3" Color Display is designed for severe duty, outdoor mobile applications and built to withstand the harsh temperatures, shock and vibration, moisture and electrical transients that are common to these environments.

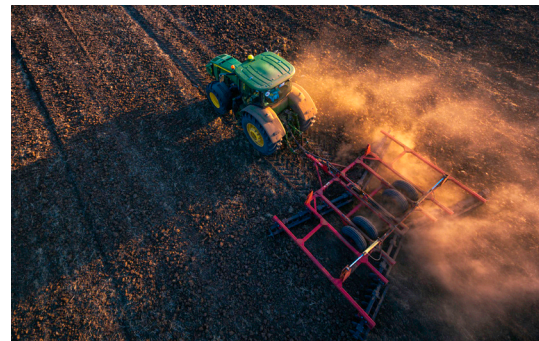


M-Flex
DISPLAYS

IP67
IP69

12V
24V

RoHS
compliant



FEATURES



High brightness LCD (800cd/m2) for true outdoor viewing in sunlight. Wide viewing angle.



250/500/1000kbps CAN bus speeds.



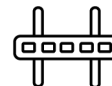
Touch GFX Ready.



Configurable inputs and outputs for customizing controller to each application.



CAN protocol J1939, CANopen, NMEA 2000.



Marlin snap-in panel mounting and RAM-mount available.

SPECIFICATIONS

Specifications subject to change without notice. \ Revised 01.24

Supply Voltage	8 - 36VDC operating range, reverse polarity protected.
Protocol	SAE J1939 CAN 2.0A and 2.0B compliant, CANopen, NMEA 2000.
Baud Rate	250/500/1000 kbps.
CAN Port	One CAN Port with option for 2nd CAN port.
Inputs	2 or 4 configurable inputs that can be configured as analog, digital or frequency, PWM, resistive or quadrature encoder.
Outputs	2 half-bridge PWM outputs. Configurable as PWM proportional, configurable as a source or sink. Optional 2 high-side outputs rated 3.0A maximum continuous current for on/off control.
Sensor Power	Power supply rated 5VDC 500mA max.
LCD	Brightness: 800 cd/m ² . Resolution: 480 X 272 pixels. Viewing cone: 80/80/80/80.
LED Indicators	Two RGB multi-color LEDs for status and alarm indication.
Keypad	4 pushbuttons for screen navigation and 4 pushbuttons for function selection and parameter setting.
Ingress Protection	IP67 (1 meter submersion for 30 minutes) and IP69K pressure wash, >15° nozzle, with appropriate mating connector boot installed.
Operating Temperature	-40° to 85°C (-40° to 185°F).
Storage Temperature	-40° to 85°C (-40° to 185°F).

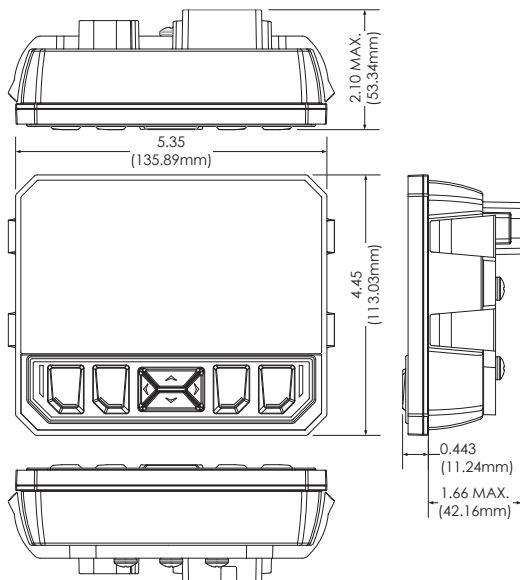
PROGRAMMING OPTIONS

Marlin Technologies offers two software programming options for M-Flex Displays. For customers looking for a full solution, our engineering team can develop custom display software to meet specific application requirements. For customers with the engineering resources for developing their own applications, M-Flex Displays use a TouchGFX template. TouchGFX is a user-friendly graphic C++ tool that creates embedded graphic user interfaces (GUIs) on STM32 microcontrollers.

I/O OPTIONS

- (0) inputs, (0) outputs
- (4) inputs, (2) outputs
- (2) inputs, (4) outputs
- (2) inputs, (2) outputs
(2) CAN ports

DIMENSIONS



For a detailed specification visit
marlintech.com/m-flex

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MADE IN THE USA WITH
IMPORTED MATERIALS