



DISPLAYS: CAN-MFA

MOTOMETER

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The CAN-MFA by MOTOMETER is the consequent modification of the previous version MFA 10 for all new Diesel engines with CAN bus protocol.

It is a display unit with monochrome digital display which is able to evaluate all data of the CAN protocol and of four analogous inputs and displays them in an individual presentation.

The CAN-MFA is developed for a voltage range of 9 - 36 volts and is excellently appropriate for the application in construction machines, agricultural vehicles, light industrial vehicles, special vehicles, municipal vehicles, stationary engines, stationary and mobile processing machines.

We may offer you customer specific multifunctional displays besides our listed standard products.

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The CAN-MFA is equipped with an independently programmable dot matrix which controls 128 x 128 pixels. CAN protocols can be read and displayed in various types of appearance.

The range of display options is from the digital display to quasi analogous display and finally to bargraph presentation. All presentations can be displayed either simultaneously or on different pages.



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In addition to normal operating values, Error Codes reported on the CAN bus by the motor management system can be displayed. The programming and the presentation themselves can be set by MOTOMETER or by the manufacturer of the machines according to customer specifications.

Input Signals

- Evaluation of protocols of the CAN V2.0-Part B (ISO 11898-24 V)
- 4 analogous inputs
- Inputs for resistance, voltage, current or frequency can be chosen
- Connection with conventional sensors (e.g. cheap tank and temperature sensors) is possible

Output Signals

- 2 outputs (max. 700 mA; Type: open collector, resistant to short circuit)

Mechanical System

- Installation dimensions: 120 mm x 106 mm
- Installation depth: 73 mm
- LCD display: 128 x 128 pixels
- Monochrome, green background illumination
- 6 individually programmable navigation keys as operator guide
- Operating temperature: -20 °C to +70 °C
- Storage temperature: -30 °C bis +80 °C

- Protection type: IP65
- Buzzer: frequency intermittent
- Central plug: „Deutsch“-plug DR15-12PA (12 pins)
- Installation: front

Programming and Configuration

All presentations, displays and evaluations can be carried out by means of a conventional personal computer and a CAN board.

The presentation of the pictograms, bargraphs and analogous displays can be adopted and displayed as simple bit-maps. The programming can be carried out event-controlled on the available programming surface.

Electrical Specifications

- Supply voltage range (U_b): 9 V to 36 V
- Terminal connection reliability of the voltage supply connections
- Inputs short-circuit resistant against U_b and against other inputs of electrical connections, resistant to excessive voltage (inputs, supply lines, etc.)
- CE conformity

Plug-in connection

Manufacturer: Deutsch

Type: DT15 - PA12

All data subject to technical changes.

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