



# C-COM LMC

## CAN-Communicator Lightbar Message Center



### Features

- ◆ Graphics LCD 340 x 90 with heater
- ◆ Two SAE CAN J1939 data bus interfaces
- ◆ 28 LED customizable telltales
- ◆ Sealed to IP67 specifications front and rear
- ◆ Integral sealed buzzer
- ◆ Analog and switched inputs
- ◆ Switched outputs
- ◆ Three menu navigation switches
- ◆ 9 to 32 volt operation
- ◆ Backlit LCD and switches
- ◆ Variable backlight control
- ◆ Blackout mode via SAE CAN J1939 message or switched input

### Applications

- ◆ Heavy trucks
- ◆ Buses, coaches and recreational vehicles
- ◆ Military vehicles
- ◆ Forklifts, wheel loaders, and skid steers
- ◆ Cranes, road-building, and construction equipment
- ◆ Earth-moving, and mining vehicles
- ◆ Utility and emergency vehicles
- ◆ Farm and agricultural vehicles
- ◆ Stationary engine instrumentation

**AMETEK VIS' C-COM LMC** is part of a modular system that can satisfy the instrumentation requirements for all vehicle platforms. The C-COM LMC can be used independently, as part of the C-COM advanced system, or as a replacement to the current LMC with NGL gauges.

The large, easy-to-read graphics display provides real time data information, diagnostics, fault codes, user set up features, and maintenance requirements. This rugged and versatile message center can be used in various applications.

The lightbar collects data from the vehicle's J1939 serial communications data bus, from discrete switch inputs, and from analog inputs. One of the J1939 CAN inputs can also be used as a J1587 data bus input. Three backlit switches with tactile feedback, along with soft-key prompts in the display, provide an easy, intuitive user interface.

This message center is sealed to IP67 specifications both front and rear. Designed to withstand harsh conditions typical of off-road environments, the C-COM LMC meets all SAE J1455 and J1113 requirements for vehicular instrumentation.

**AMETEK®**  
VEHICULAR INSTRUMENTATION SYSTEMS

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## Specifications

### Physical Characteristics

Housing material – black polycarbonate ABS plastic  
Connectors – 34-pin AMP superseal, polarized and locking

### Environmental Characteristics

Temperature, humidity, shock, vibration, and salt spray –  
Meets or exceeds SAE #J1455-1994-08  
Operational Temperature – -40C to 85C

### Electrical Characteristics

Operating limits – 9 to 32 VDC, reverse polarity protected  
Transient protection – meets or exceeds SAE #J1455-1994-08

### Electrical Outputs

Switched – 2 switch-to-ground, 500mA each

### Electrical Inputs

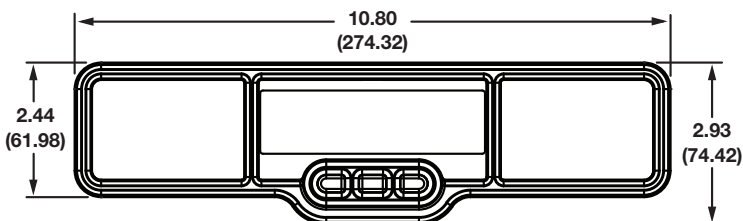
Battery/ignition – 9 to 32 volts  
Operating current – 3 amperes maximum  
Backlight power – variable through dashlight dimmer control, CAN J1939 message, or set through menu selection  
Discrete inputs – 8; configurable for switch to ground, switch to battery, or analog inputs  
Analog inputs – 7; configurable as voltage or resistive monitors, or discrete inputs  
Data bus – 2 SAE CAN J1939, one can be used as SAE J1587 to drive NGI gauges or to communicate on the vehicle data bus

### Display Characteristics

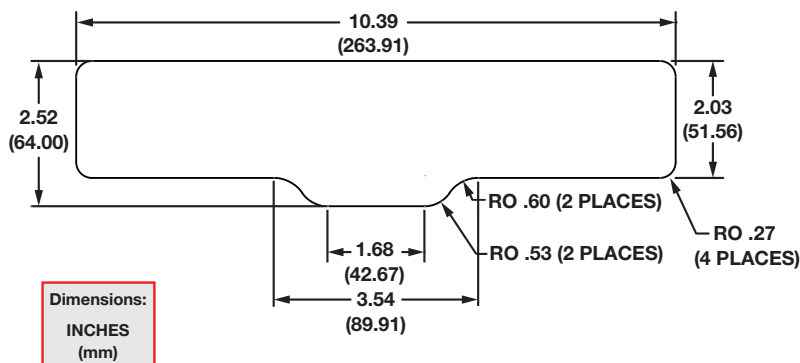
Type – 340 x 90 monochrome, graphics LCD  
Viewing angle – 12:00  
Backlight color – White (green, red, amber or blue optional)

## Installation Data

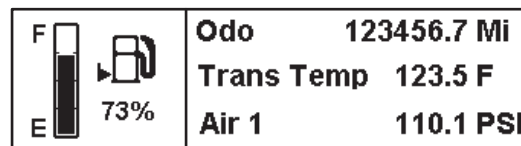
### Dimensions



### Panel Cutout



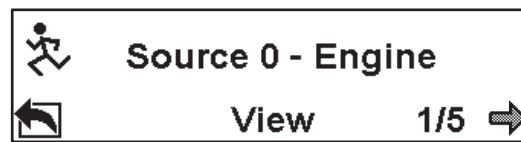
### Screen Menus



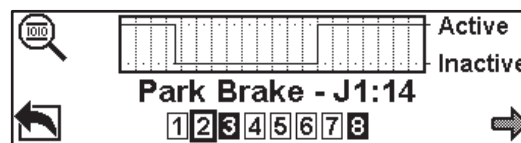
DATA VIEW



MENU - WARNINGS, DIAGNOSTICS, SELF-TEST, SETUP



DIAGNOSTICS



SELF-TEST DIGITAL INPUTS

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