

Electronic Systems

CLUSTER DISPLAYS



AT A GLANCE

- High Quality LCD TN segment display
- Customisable design to suit individual applications
- Fully sealed to IP67
- Choice of backlight colours
- Optional high intensity telltale warning lights
- Control over J1939 CAN databus
- Automotive operating temperature range -40°C to 85°C
- Excellent sunlight visibility
- Optional integrated compass to display vehicle direction

Kongsberg Automotives LCD Clusters offer vehicle designers the versatility to quickly and easily configure an extremely robust and effective instrumentation panel.

The LCD glass and front and rear housings can easily be customised to meet the functional and styling requirements of individual applications, making it a very cost effective option for use on low to medium volume vehicles.

The cluster is designed to display information directly from the vehicle's CANbus. J1939 protocol is supported as standard with other protocols available on request. The cluster can also be fitted in conjunction with one of Kongsberg Automotive's analogue interface modules, enabling non CAN based information to easily be displayed. Information monitored and displayed typically includes Speed, RPM, Fuel level, Hour Meter and Coolant Temperature. A Message Center provides the operator with valuable warning information whilst also offering enhanced vehicle diagnostics. An overall thickness of just 64mm (including connector) allows the Cluster to be easily incorporated into most dashboard assemblies.

PRODUCT SPECIFICATIONS

DIMENSIONAL INFORMATION



Overall Size
212 x 118 x 64mm
8.3 x 4.6 x 2.5"

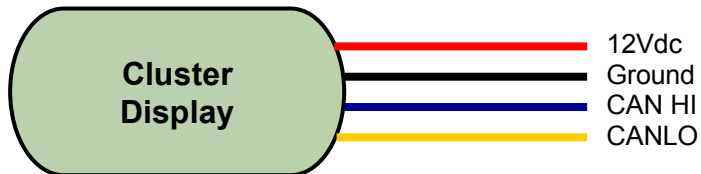
Visible Area
193 x 82mm
7.6 x 3.2"

Dimensions given are approximate.
Size will vary depending on actual application.

SPECIFICATIONS AND TECHNICAL DATA

PARAMETER	SPECIFICATIONS
Operating Voltage	9 to 16 Vdc
Supply current	100mA
Water resistance	IP67 (1 meter under water)
Electrical protections	Reverse polarity, ESD
Connector	Delphi Metripack 150 – 4 pins

ELECTRICAL CONNECTION



BACKLIGHTING



Example of red backlighting, other colour options available