



J1939 CAN Display



Shown actual size

A complete engine monitoring solution for the small engine CAN bus market.

SAE J1939



This compact instrument provides a single source view of the critical information provided by the engine ECU. The CAN display instrument is designed to read and process SAE J1939 compliant CAN messages. The large sunlight readable, transfective LCD displays operating parameters with easy to read characters. The "second line" data displays a continual readout of the engine's hours or "over the road" Odometer.

Up to 12 display pages can display the information being sent by the engine ECU, including Trip data and advanced Fuel Management. Should a DM1 or J1939 alarm occur the J1939 CAN display will activate a 13th display screen for the operator to log the alarm, while maintaining the regular data screens.

An audible beep will sound when a CAN error message is initiated from the ECU and the LCD will flash warning the operator of a fault or alarm. This alarm may be silenced temporarily by the user. A full list of faults is stored locally on the device.

**J1939 FAULT
SPN XXXXX
FMI XX
CT XX**

On board programmable parameters allow for customizing of menu options including, Max Speed, Audio, Fuel Tank, Units and Master Program Reset (Return to factory settings).

Features and Benefits

- SAE J-1939 CAN protocol support
- Nylon cases for corrosion resistance and long life
- Daylight readable LCD display with Red/White multi-color LED backlight.
- Audible and visual notifications for alarms
- Input for analog Fuel Level sender with programmable calibration.


Available Display Functions

Voltage	Trip Data (Re-settable)
Engine Boost	Engine Hours
Engine Load	000012.5
Engine Coolant Temp.	Fuel Used
Fuel Level, Tank 1	
DEF Level	Odometer
Oil Pressure	Fuel Rate
Speed Over Ground	
Engine Speed	
Transmission Pressure	
Transmission Temp.	
Fuel Instantaneous	

All screens can be customized for OEM volume orders.

Fits a typical round 2 1/16" (53mm) panel hole.

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 Made in the USA

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Environmental Specifications

Shock (Non-operating):
50 +/- 2 G and a half sine duration of 11
+/- 2ms. per MIL-STD-202, Method 213
Vibration (Non-operating):
4 G peak, 10 to 200Hz
SAE J1455 Appendix A
Temperature:
Operating: -20°C to 70°C
Storage: -30°C to 85°C 50% RH
Humidity:
95% relative humidity @110°F (43°C) non-condensing
Salt Spray:
Front is Corrosion resistant per ASTM B117-73

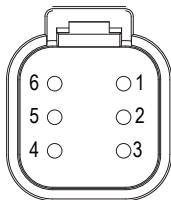
Electrical Specifications

Reverse Polarity Protection:
Standard entire system
Load Dump:
Meets SAE J1113, 3 positive 80V transients
one minute intervals
Operating Voltage: (ES0041)
11.5 VDC to 16 VDC standard
Over Voltage: (ES0041)
Withstands 28V continuously for 5 minutes
LCD:
64x128 Transflective FSTN-Gray dot matrix
positive image mode standard
6:00 O'clock viewing angle
Red/White multi-color Backlight LED illuminated.

Mechanical

Bezel Material:
Stainless steel or aluminum
Finish, customer specified
Case:
White thermoplastic copolymer
Dial:
Textured finish polymer
Opaque characters & background
Sealing:
IP 67 compliant
Menu Navigation:
"UP" and "DOWN" - Used to scroll
through available pages in Normal mode
and options in menus.
"MODE" button - Used to access menus.
A short pressing less than a second exits
the current page and a key pressing longer
than one second makes a selection.

Wiring Connections



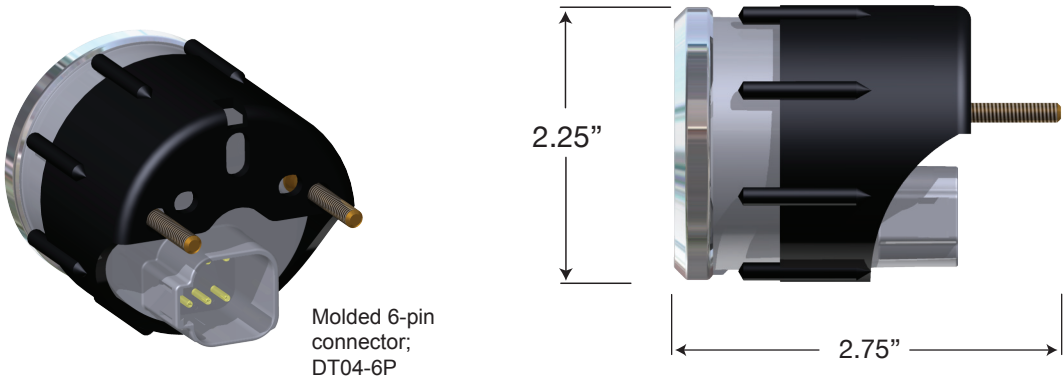
6 Pin Connector Detail
Mates with Deutsch I.P.D.
DT Series Connector

Pin	Connection Name
1	B+ (12v Ignition)
2	J1939 (-) CAN - L
3	J1939 (+) CAN - H
4	Analog input (Fuel Sender)
5	Not Used
6	Ground

Connector - DT04-6P

16-20 AWG stranded copper wire recommended for all electrical connections.

Product Outline Drawing



Molded 6-pin
connector;
DT04-6P