

VFD

VEHICLE FUEL DIAGNOSTICS DEVICE

Fuel efficiency and diagnostics abilities (via CANbus and I/O for analog and digital interfaces), such as fuel management, temperature control and driver statistics and behavior.

The VFD enables organizations to save money while helping the environment. By monitoring the fuel consumption of every vehicle in the fleet, organizations can detect when excess fuel has been used, for example, due to idle engine operation or irregular mileage per gallon.

The unit is commonly implemented within large Fleets allowing an organization to save costs on fuel and protect the environment by emitting less greenhouse gases. The VFD is used by Commercial Freights, Public Transportation providers and Public Safety organizations. The VFD is implemented as part of a central management system that offers a wide range of operational capabilities.



TECHNICAL & ENVIRONMENTAL SPECIFICATIONS

Dimensions: 60x90x100mm

Weight: 350gr (including battery)

I/O: Analog input: 2 in, 0-30 volt/4-20mA

0-5 volt/0-10 volt

Digital input: 4 in, ground detection

Engine input: ACC

CANBus: 1 channel

Serial Port: 2 ports, RS232 and RS485

Driver Tag: Dallas key reader / Proximity card reader (HID class I)

High Speed Counter (HSC): Odometer - 1 port pulse counter (for mileage indication)

ANT connectors: 1 SMA connector for cellular ANT

1 SMA connector for 3V GPS ANT (optional)

Communications: Supports iDEN, GSM/GPRS, CDMA-1X, Iridium, Tetra, Wlan and RF modem

Power: 12/24 Vdc (9-30 Vdc) at 65mA in full operational mode

The VFD is operated from the electrical system of the vehicle

Internal battery operation is applied when power from the vehicle is unavailable

Enclosure: Molded plastic with battery inlet

GPS: Embedded 16 channel GPS receiver (optional)

Communication: UDP, TCP, SMS, data over CSD, UDP over RF (embedded Network)

Regime: management capabilities for RF-based network

