



# VDR

## STYLE

The Class 1 Vehicle Data Recorder (VDR) system is comprised of a Vehicle Data Recorder and a Seat Belt Warning system.

## Features

The Vehicle Data Recorder (p/n 119914) monitors and records engine RPM, throttle percentage, vehicle speed, ABS events, transmission range information, parking brake position, master warning position, and seat belt status via J1939 CAN messages in accordance with NFPA 1901-2009 requirements.

## Applications/Solutions

- Fire OEMs
- Firefighting - Airport (ARFF)
- Firefighting - Industrial
- Firefighting - Structural
- Firefighting - Wildland Forestry
- Utilizes the SAE J1939 CAN standard to record NFPA required data
- 32 bit ARM processor
- Retains the last 100 hours of stored data in memory (saved in one second intervals)
- Internal real-time clock with 10 year battery back-up
- Two discrete inputs: Park Brake (ground polarity) and Master Warning (positive polarity)
- USB connector for data retrieval via VDR management software (p/n 119206)



## Specifications

Country of Manufacture	US
Length	5.24" (133.1mm)
Width	4.68" (118.8mm)
Height	1.42" (36.07mm)
Volts	+9VDC ... +32 VDC
Amperage	78 mA
Can Specification	SAE J1939 proprietary, 125, 250, 500 Kbits/second
Enviromental Range	IP 42

# VDR

## STYLE

### Temperature range

- -40°C...+85°C

### Electrical protection

- Internal thermal fuse
- Reverse voltage protection
- CAN buses protected to 24V
- ESD voltage protected to SAE J1113 specification for heavy duty trucks (24V)
- Transient voltage protected to SAE J1113 specification for heavy duty trucks (24V)