OBD Pro

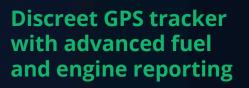
Discreet GPS tracker with advanced fuel and engine reporting

Small and discreet, the OBD Pro unit simply plugs into a vehicle's OBD port, limiting vehicle downtime for telematics installations. Unlike the OBD Lite, the Pro offers insights on fuel levels and engine data, allowing you to be proactive in maintaining your vehicles.
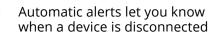
Designed for: Cars and Vans

Benefits

✓ Get up-to-date information on your vehicles with location and fuel insights

✓ No installation costs, simple DIY setup

✓ Automatic alerts let you know when a device is disconnected

✓ No distraction to drivers, due to the OBD Pro's small size

✓ Crash alerts let you know when your drivers are involved in collisions

✓ Bluetooth receiver for use with Matrix Asset Tagging Solution

Overview

As a Fleet Manager, you need to know where your vehicles are at all times and, with OBD Pro, this couldn't be easier. The unit simply plugs into the OBD port, meaning that a driver can fit it in seconds.

The OBD Pro begins transmitting data, including engine and fuel data, within one minute, which can be viewed via the online dashboard. If your driver is involved in a collision, the unit will send out an immediate notification, allowing you to start your FNOL process instantly.

If the device is disconnected, power loss alerts will notify you straight away, ensuring your fleet stays connected.

Technical Specifications

Module

Technology: GSM/GPRS/GNSS/BLUETOOTH

Physical Specification
Dimensions: 52.6mm x 29.1mm x 26mm

Bluetooth
Supported peripherals: Temperature and humidity sensor, headset, Inateck barcode scanner, universal BLE sensors support
Specification: 4.0 + LE

Power
Back-up battery: 3.7 V 45 mAh
Input voltage range: 12 – 30 V DC with overvoltage protection

Cellular
Data support: GSM
Data transfer: GPRS multi-slot class 12 (up to 240 kbps)
2G bands: Quad-band 850/900/1800/1900 MHz
Technology: SMS (text/data)

GNSS
Cold start: < 35s
Warm start: < 25s
Hot start: < 1 s
Velocity accuracy: < 0.1m/s (within +/- 15% error)
Position accuracy: < 2.5 CEP
Tracking sensitivity: -165 dBM
Receiver: 33 channel
GNSS: GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS

Interface
Connection: OBDII socket
GNSS antenna: Internal high gain
GSM antenna: Internal high gain
USB: 2.0 Micro-USB
LED indication: 2 status LED lights
SIM: Nano-SIM

OBD Interface
Data: HS CAN, MS CAN, SW CAN, K-line
OEM fuel level, odometer and up to 32 vehicle onboard parameters, supported OBD protocols:
ISO 9141-2 (5 baud init, 10.4 kbaud)
Data reading: ISO 14230-4 KWP
(5 baud init, 10.4 kbaud)
ISO 14230-4 KWP (fast init, 10.4 kbaud) ISO 15765-4 CAN (11 bit ID, 250 kbaud) ISO 15765-4 CAN (11 bit ID, 500 kbaud) ISO 15765-4 CAN (29 bit ID, 250 kbaud) ISO 15765-4 CAN (29 bit ID, 500 kbaud)
ISO 14229 (UDS) J2819 (VW TP2.0

Operating Environment
Operating temperature (without battery):
-40°C to +85°C
Storage temperature (without battery):
-40°C to +85°C
Operating humidity: 5% to 95% non-condensing
Ingress protection rating: IP41
Battery charge temperature: +10°C to +45°C
Battery discharge temperature: -20°C to +60°C
Battery storage temperature: -20°C to +45°C for 1 month -20°C to + 35°C for 6 months

Features
Sensors: Accelerometer **Scenarios:** Green driving, over speeding detection, jamming detection, GNSS fuel counter, excessive idling detection, unplug detection, towing detection, crash detection, auto geofence, Manual geofence, Trip **Sleep modes:** GPS sleep, online deep sleep, deep sleep, ultra deep sleep
Configuration and firmware update:
FOTA web, FOTA, (USB, Bluetooth), FMBT mobile application (configuration)
SMS: Configuration, Events, debug
GPRS commands: Configuration, debug
Time synchronization: GPS, NITZ, NTP
Fuel monitoring: OBDII, OEM fuel level
Ignition detection: Accelerometer, external power voltage, engine RPM