fms
Fleet Management System vehicle data

FMS data access

The Controller Area Network (CAN bus) serves as a vital source of data for fleet management and driver analysis. The CAN bus system enables the exchange of information between various electronic components within the vehicle providing valuable insights into vehicle performance, maintenance needs, and driver behaviour.

By utilising this data, it is possible to both present each data value as well as to make calculations between two or more values (ie calculating Fuel Consumption using odometer and fuel used).

To check what data is available on a specific vehicle you can utilise the digifobpro **CAN Kit** (DFP02-CK) with the 'CAN Monitor' app.

You can use either the **CAN Slide** (DCS01) fitted to the **Enhanced Tachograph Cable** (DDL-ETC) with our **digiDL-HX**. Or, you can use the independent 12-pin **FMS cable** (DDL-FMS) for standard connection to the vehicle CAN bus.

While the availability of specific parameters can vary based on vehicle make, model, and configuration, the below list contains commonly expected data parameters on the CAN bus of HGVs and PSVs:

Vehicle Identification Number (VIN): The unique ID number assigned to the vehicle.

Total Fuel Used: Total amount of fuel used.

Fuel Level: Current level of fuel in the vehicle's fuel tank.

Odometer: Total distance covered by the vehicle.

Engine Temperature: Current temperature of the engine.

Ambient Temperature: Current temperature of air surrounding the vehicle.

Vehicle Speed (Wheel-based): Current vehicle speed.

Engine Speed (RPM): Provides rotational speed of the engine.

Accelerator Pedal Position: Provides the ratio of the position of the accelerator pedal.

Brake Pedal Status: Indicates when the brake pedal is being pressed.

Gear Selection: Indicates the current gear.

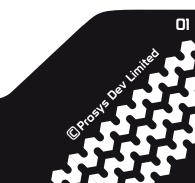**Engine Load:** Engine percent load at current speed.

Cruise Control: Indicates when cruise control is active.

WWW.TACHO·SYS.COM

© Prosys Dev Limited

Join us on social media

Tel: +44 (0)20 8687 3900
Email: info@tachosys.com
Website: www.tachosys.com

Data Type	Engine On	In Journey	Engine Off
Card Number	✓		
Name	✓		
Total Fuel Used	✓	✓	✓
Fuel Level	✓	✓	✓
Odometer	✓	✓	✓
Engine Temperature	✓	✓	✓
Ambient Temperature	✓	✓	✓
Service Distance	✓		
Duration since last log		✓	
Fuel Used Since Last Log		✓	
Distance Travelled Since Last Log		✓	
Average Vehicle Speed		✓	
Average Engine Speed		✓	
Maximum Vehicle Speed		✓	
Maximum Engine Speed		✓	
Journey Duration			✓
Journey Fuel Used			✓
Journey Distance			✓
Cruise Control Duration			✓
Cruise Control Fuel Used			✓
Idle Duration			✓
PTO Duration			✓
Fuel Used in PTO			✓
Number of Brake Presses			✓
Number of Harsh Braking Events			✓
Duration of Harsh Braking			✓
Number of Harsh Acceleration Events			✓
Duration of Harsh Acceleration Events			✓
Number of Clutch Presses			✓
Number of Short Idle Events			✓
Number of Long Idle Events			✓
Duration of High Engine Power			✓

© Prosys Dev Limited

Join us on social media