TruckController

Product overview

TruckController is a diagnosis unit for truck and body manufacturers at the body builder CAN interface respectively FMS interface of trucks. It supports all prevalent messages according to SAEJ1939 standard.

CAN messages sent by the vehicle are evaluated and clearly visualized by the TruckController. Therefore it is easily and rapidly controllable, which values at the CAN bus are effectively active and ready to be utilized.

Furthermore it is possible to send supported CAN messages from TruckController to the body builder CAN interface and consequently simulate a body builder ECU.

CAN messages supported by the ECU are clearly visualized. In addition various parameters, like e.g. auxiliary drive (switch on/off), engine (start/stop) can be manipulated through the graphical user interface (GUI).

Illustration 1: Vehicle control with TruckController (exemplary)

Depending on the vehicle type following functions are supported:

Function	Description	Key
Dashboard	• Visualization of common vehicle parameters	F1
Temperature, pressure and Operating data	• Visualization of temperature, pressure values and operating data, like hours of operating, fuel consumption etc.	F2
Vehicle control	• Manipulation of the engine as well as the PTO's	F3
Transmit messages	• Transmit of all supported messages of the body builder CAN to the vehicle-CAN-gateway	F4
Receive messages	• Visualization of all messages of the body builder CAN respectively FMS-interface	F5

Preliminary

Hardware specification

Hardware basis ifm display PDM_NG

Protocol: SAE J1939 - ISO 11898 – High-Speed-CAN / 5V Basis / 250kBaud

Dimensions (W x H x D): 192 x 157 x 64,5 mm

Display: TFT LCD - 7"- 800 x 480 Px - 153,4 x 92,4 mm

Protection classification: IP67

Operating temperature: -30 … +65°C

Storage temperature: -30 … +80°C

Operating voltage: 10...32 V DC

Power input: 300 mA (at 24 V DC)

Supported truck types

Type specific

	Interface	ECU
Mercedes-Benz	BB-CAN CoTel/ Telematices	PSM 3 / EM9 PSM 4
MAN	BB-CAN/ FMS Interface	KSM
Scania	External CAN-Bus	BWS (Body Work System) BCI (Bodywork Communication Interface)
Volvo	BB-CAN	BBM (Body Builder Module)
DAF	BB-CAN	BBM (Body Builder Module)
Renault	BB-CAN	BBM (Body Builder Module)
Iveco	CAN-Bus	VDI (Vehicle Data Interface), EM (Expansion Module)

Manufacturer independent

FMS	FMS standard	Fleet Management System

Exemplary Illustrations

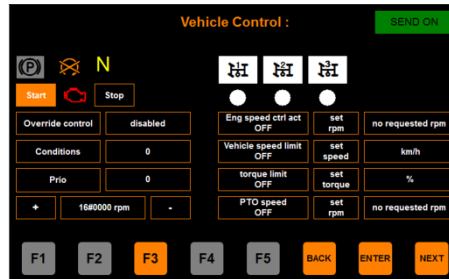Illustration 1: F1 – Dashboard - Indication of common vehicle parameters

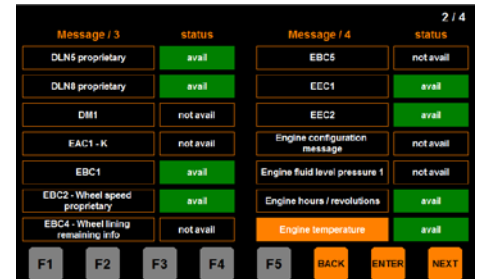Illustration 2: F3 - Manipulation of the engine and PTO

Illustration 3: F5 - Clearly arranged table of received CAN messages

Order information

Name	Order no.	Description
TruckController NG	B12000-TCC-001-1083	TruckController – Diagnosis unit based upon ifm display
CANPowerSupply	B12090-CPS-002-0500	M12 cable socket straight, 500 cm 4pole CAN-cord with 120 Ohm resistor (further lengths available)

Preliminary