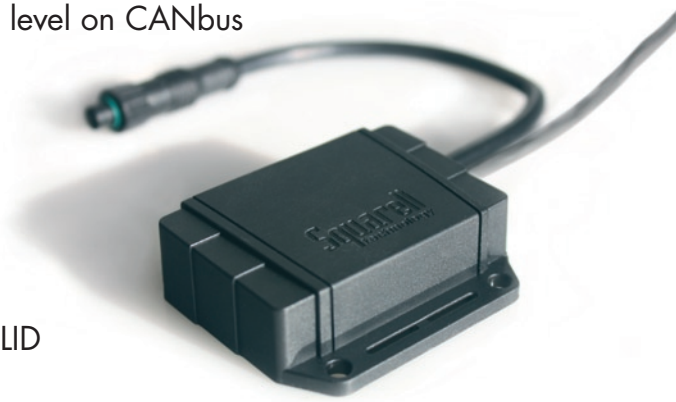
Squarell technology

Fuel Level Sensor

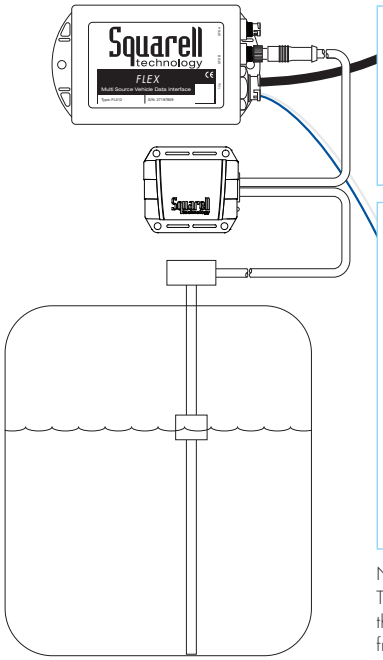
- Converts analog fuel gauge signal into CANbus message
- For vehicles without fuel level on CANbus
- Universal solution
- Resolution of 250 steps
- Easy to install
- Smart and intelligent
- Automatic calibration
- Connects to FLEX or SOLID



Some vehicle models don't support Fuel level as parameter on the vehicle CANbus. The Squarell Fuel Level sensor is a universal product to read the Fuel level from the existing fuel level sensor on the tank and translates this signal into a Squarell message. Together with a Squarell Interface this message becomes available on CANbus or RS232.

The Fuel Level Sensor is a small device mounted in the truck near to the Squarell FMS interface. The cable to connect to the existing fuel level sensor on the tank is 6 meters long and can be extended or shortened if needed.

The interface stores the lowest and highest measured value and divides the difference into 250 steps (is 4/10% per step). The input range is 0 up to 32.67 Volt (or 0 down to -32.67 Volt)



RS232 output

The format of the message is:
$FMS1,<value1>,…,<value20><CR><LF>
value13. <Fuel Level> 4/10 % Real time

This message is sent every 5 seconds.

CANbus output

PGN FEFC		Dash Display	DD
Transmission Repetition Rate		1s	
Default Priority		6	
Start position	length	Parameter Name	SPN
2,1	1 byte	Fuel Level	96
SPN96		Fuel Level	
Data length		1 byte	
Resolution		4/10 % per bit	
Offset		No offset	
Operating High Range		100 %	

Note:
To receive fuel level sensor data from the Squarell interface, this needs to be built in into the DCF. Standard Squarell DCF's from version 130325 and up are ready for use with the Fuel Level Sensor device.

Order information

8570-675 Fuel Level Sensor

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