

Floating Level Sensor Adapter



GuardMagic DAFS2-m3

GuardMagic DAFS2-m3, - adapter for resistive type vehicle floating fuel level sensor.

GuardMagic DAFS2-m3 has two outputs:

- analog output,
- digital output (RS-232 interface).

GuardMagic DAFS2-m3 supports fuel level sensors with Analog and Pulse-Analog output.

fuel monitoring system

About:

GuardMagic DAFS2-m3 is intended for connection car, light vehicle regular resistive type floating fuel level sensor to GPS-GSM/GPRS module.

GuardMagic DAFS2-m3 intended to read the analog or pulse-analog signal from the vehicle regular fuel level sensor, fix value of input signal, processing input signal and convert it into:

- digital form: RS-232 communication interface;
- stable noise and pulse free analog output voltage (0-8,5 V range).

GuardMagic DAFS2-m3 could be used to provide fuel monitoring function on passenger cars, VANs, "JEEPs", "pick-up" or light trucks (Light Vehicle) on which the use of DLLS fuel level sensors is not reasonable due to technical, or economic reasons.

Advantages:

- Dual input signal: analog and pulse-analog
- Wide voltage range of input signal
- Valuation of the input signal
- Internal digital filter (user setting)
- Programming the operating parameters
- Dual output: analog and digital
- High resolution
- Over polarity and over voltage protection

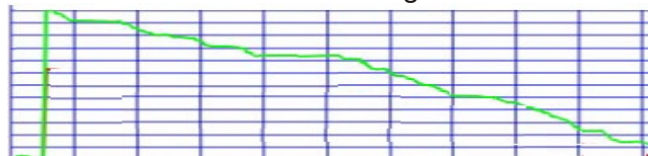
Application:

Car, "Jeep", VAN, Mini Bus, Light Trucks, LCV, "Pick-Up".

Fuel control in vehicle monitoring system:

GuardMagic DAFS2 allows by very economical way embed fuel monitoring function for cars, VANs, LCV in vehicle monitoring system.

DAFS receive information from car floating fuel level sensor, valuate and processing input signal, and transmit it to vehicle tracking device.



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Specification:

Power supply	9 ... 14 V
Power consumption	15 mA
Input	- Analog - Pulse-Analog
Input signal range	0... 12V
Input pulse duration (min)	4,5 mSec
Input signal valuation	YES
Output	digital and analog
Analog output	three range (customer setting)
Output voltage range	0... 8,5 V 0... 4,2 V 0... 2,1 V
Digital output	RS-232
Resolution for RS-232	1024 levels
Communication speed	19 200 bit/sec
Operation mode on RS-232	master and slave
Customer programming	YES
Internal data filter	YES
Service indicator	LED
Application	indoor
Ingress protection	IP32
Operation mode	continous
Operation pressure	atmospheric
Operation temperature	-40...+80