

Digital Fuel Level Sensor



GuardMagic DLLS1

fuel monitoring system

GuardMagic DLLS1a, DLLS1b: digital fuel and oil level sensor with EIA-485 communication interface for standard and heavy application.



GuardMagic DLLS1

Specification:

Operation principle	capacitive
Operating voltage	9 ... 32 V
Resolution (digital scale)	1024 or 4096 level
Data line	isolated
Power line	isolated
Main operation liquids	oil, fuel oil, diesel fuel, transformer oil, petrole
Communication interface	EIA-485
Communication speed	19 200 bit/sec
Sensor serial connection	YES
Interface repeater	YES, DLLS1b
Internal data filter	YES
Ingress protection	IP67
Impact protection	IK10
Operation mode	continous
Operation pressure	atmospheric
Operation temperature:	
- ambient	-40...+80
- liquids	-40...+105
Sensor length	0,3m; 0,5m; 0,7m; 1,0m 1,5m; 1,7m; 1,98m; 2,5m
Customer sensor cutting	YES
Mounting	6 bolts M6

About:

Fuel and Oil level sensor GuardMagic DLLS is intended for precision fuel and oil level measurement in vehicle, fuel, oil and road tanker monitoring systems.

GuardMagic DLLS sensor is designed for operation in standard and heavy application with the wide temperature range. Sensor has cast aluminum case for mechanical protection.

GuardMagic DLLS sensor uses the capacitive technology and has no moving parts.

Advantages:

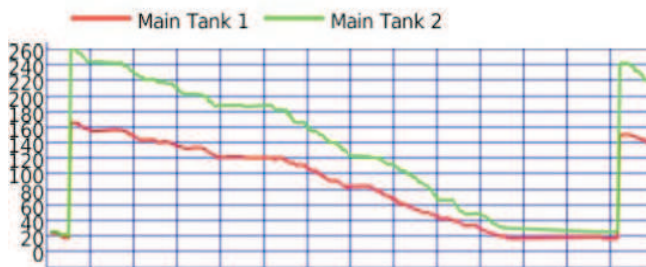
- Standard and heavy application
- Operation in wide temperature range
- Anti vandal protection
- Digital communication interface
- High resolution (up to 4096 levels)
- High noise immunity
- Sensors serial connection (multi tank support)
- Operation liquids: from raw oil and up to kerosine
- Self testing
- Strong mounting

Application:

- Transport, mining, building, construction;
- Fuel transportation, road fuel tankers;
- Stationary fuel storages, diesel generators;
- Power distribution station, power transformers;
- Diesel-electric locomotives;
- River and coastal tugs (towboats).

Fuel control in vehicle monitoring system:

Fuel level sensor DLLS passes the information about fuel level in the fuel tank to vehicle tracking device. Vehicle tracking device collects information about fuel level in vehicle tanks and sends this information to monitoring center.



For professional application in gasoline, kerosine (storage, tanker) use GuardMagic DLLS fuel level sensor