



## Fuel Level Sensor • FLS-1.0 / 1.5 / 2.0

The FLS series sensors are designed for use in fuel/oil tanks and provides a factory set variable voltage output suitable for driving industry standard fuel gauges or connecting to PLCs. The sensor is not suitable for fuels which contain Toluene. It operates from -20 to +85 degrees Celsius.

The device has no moving parts to stick or wear and can be mounted at any angle above horizontal as long as it covers the whole depth of the tank (the unit cannot be inverted).

- FLS-1.0: Level Sensor for 1.0-meter-high tanks
- FLS-1.5: Level Sensor for 1.5-meter-high tanks
- FLS-2.0: Level Sensor for 2.0-meter-high tanks

The FLS is provided with a 25' pigtail cable.

For readings in % of sensor's length, the Davicom coefficients are:

FLS: A=0, B=20, C=0 and D=0

ELECTRICAL SPECIFICATIONS	
Operating Voltage	+12VDC
Output Voltage	0 to +5VDC

WIRING CONNECTIONS	
Red Wire (D)	+12V
Black Wire (A)	Ground
White Wire (C)	Output
Green Wire (B)	Low Level Alarm, Normally Open contact*
Brown Wire	Not Connected

\*Low Level Alarm (LLA): factory set to a default value of 1/8 tank depth. Contact closure when level drops below factory set level.



A standard 1/2" NPT thread is used for mounting. Care must be taken to not overtighten the device during installation. Adapters and fittings are not provided.

