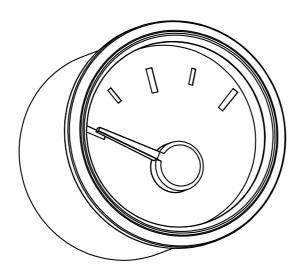


User manual



LSK FuelGaugePro Analog

Universal Floatless Fuel gauge

Rev. 1.1, Date: 29.11.2018

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Device desctription

- The gauge sensor is connected to the fuel hose from the tank using a plastic T-shape three way connector. It must be placed really under the fuel tank.
- The fuel gauge does not work when it is connected to a pipe, into which the fuel is delivered by
 a fuel pump (It can be used if the motorbikes is equipped with some types of external fuel
 pump, it is explained in this document below).
- If the fuel gauge is connected under a vacuum controlled fuel cock, that needs to work just fine and not remain partially closed.
- It only works on bikes with a 12 volt electrical system. It does not work on 6 volts. This can be solved by a 6V/12V converter that can be purchased in our website. In case of need, we will help with any uncertainties.
- It can be used on other machines, including diesel powered, like tractors, excavator etc.
- The fuel tanks with fuel evaporation control (Active charcoal filter) may cause problems with hydrostatic measurement principle.

Package contents

- FuelGaugePro sending unit
- Analog fuel gauge
- Fuel hose for connecting to the fuel system
- Plastic pipe T shape three way quick connector ø6mm
- Plastic pipe T shape three way quick connector ø8mm
- Clips for securing the fuel hoses
- Set of plastic ties
- Velcro fastener with adhesive tape
- Scotchlok connectors for easy supply voltage connection
- Ring tongue terminal for grounding
- Assembly manual

Technical specifications

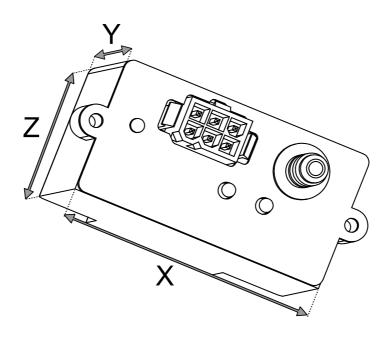
Supply voltage: Onboard 12 V

Resistance range: $0 - 1000 \Omega$

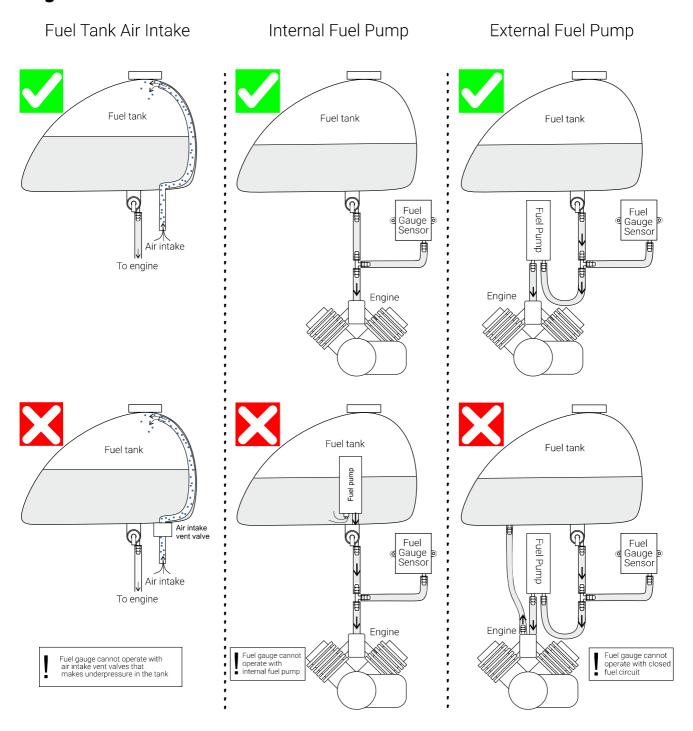
Max. fuel level height: 90 cm (distance from the sensor to level of full fuel tank)

Sensor dimensions: X: 57 mm, Y: 71 mm, Z: 30 mm (without hose plug)

(**X**: 2.24 in, **Y**: 2.79 in, **Z**: 1.18 in) (without hose plug)



Usage restrictions



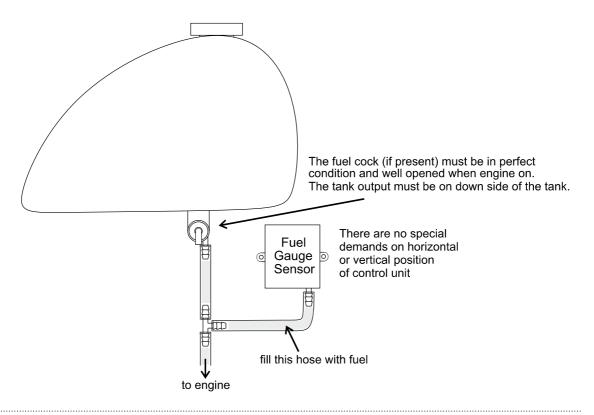
CAUTION: We cannot guarantee the correct function on all motorcycles with a fuel pump. The external fuel pump may cause problems with measuring on some motorcycles. If this problem occurs, you can return FuelGauge to us and we will return your money back to you. Device must be in intact condition.

Device mounting

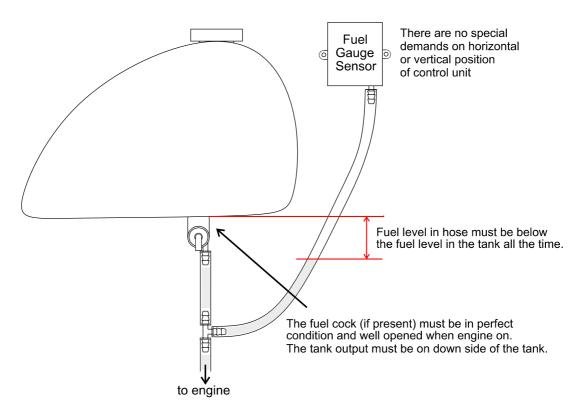
Sensor can be placed over or under the fuel tank. It is better to mount it under the fuel tank and fill the hose up with fuel. This will make the gauge the most accurate.

- Do not place the unit on hot places. It can handle temperature up to 60°C(140°F).
- Connect the gauge to the hose between the fuel tank and the fuel cock if it is possible.
- Recommended sensor position is hose output on bottom side.
- Connect the gauge to the FuelGaugePro Sending Unit via supplied cabel. The cable may need to be extended

The best fuel gauge sensor placement

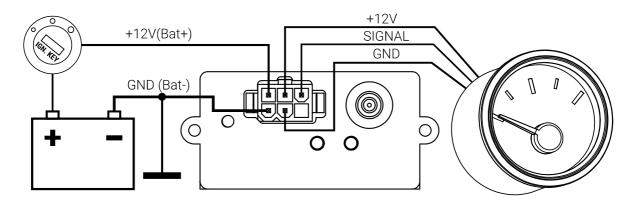


The fuel gauge alterative placement



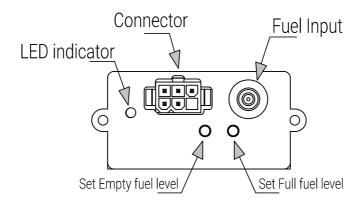
Electrical parts connection

Output connector is shown below, it must be connected correctly to motorcycle onboard electrical supply. The wires labelled "Bat" are main supply for FuelGaugePro sending unit. Wires labelled "Gauge" are earmarked for supply for your chosen fuel gauge display. Othes wires are connected from manufacturer.



Calibration

FuelGaugePro sending unit must be calibrated for used fuel tank. For calibration are available 2 buttons.



Set Empty fuel level

- Empty the fuel tank
- Press the button for at least 2 seconds and release it for record empty fuel level.
- (Successful operation is signalized by LED)

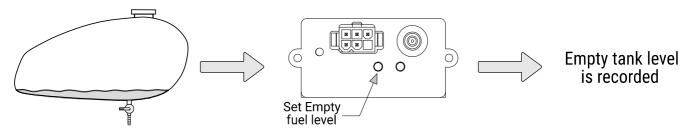
Set Full fuel level:

- Fill the fuel tank
- Press the button for at least 2 seconds and release it for record full fuel level.
- (Successful operation is signalized by LED)

LED indicator

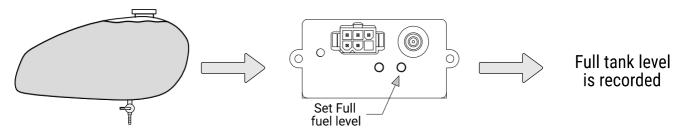
- LED flashes when FuelGaugePro has recorded calibration data after release button.
- LED flashes after FuelGaugePro is turned on.

Calibration QuickStartGuide



Minimal fuel level, fuel hose must be filled, fuel cock must be opened, engine turned on

Press button and keep it hold for ca. 2 secs.



Maximal fuel level, fuel hose must be filled, fuel cock must be opened, engine turned on

Press button and keep it hold for ca. 2 secs.

Possible faults

If you obey all the instructions, this fuel gauge should work properly without any need to change settings or any other problems. In case of any problems, feel free to contact us at info@lskelectronics.com.

- If the gauge doesn't show anything on the display, check out all the connections of the device.
- If the gauge flash at start but then doesn't show anything, try checking the fuel system (connection, fuel cock on/off).

Warranty period

Product is covered by 2 years Limited Warranty (from the date of purchase). Limited Warranty covers any defects in material or manufacturing defects under normal use and maintenance. We reserve the right not to accept the claim in the case of mechanical damage that could be related to the defect of the product or if the product was disassembled by unauthorized service.

This limited warranty also does not cover any problem that is caused by conditions, malfunctions or damage not resulting from defects in material or workmanship. During warranty period, we will repair or replace defective product or defective parts. To obtain warranty service, you must first contact us to determine the problem and the most appropriate solution for you.

Contact e-mail is: info@lskelectronics.com

Safety warnings

- The gauge should be installed by a trained people or by a service. Inproper installation of fuel
 hoses can cause the fuel to leak and a fire. This can damage the motorcycle and the owners
 health.
- Improper electrical connection can cause damage of this and other electrical devices on the bike.
- Keep away from children.
- Not approved for the use on public roads. Use only at owners own risk.

Recycling



Worn out (broken) device should be handed to authorities on places designed for collecting old electrical devices. Packaging should be thrown out into an appropriate bin.

Manufacturer

LSK Motorcycle electronics

Website: www.lskelectronics.com





Manufactured in compliance with RoHS norm.