

Fuel Level Gauge Interface

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Description

Allows connecting MGL instruments

- ☐ on two or four existing fuel level measurement systems **while keeping original analog gauges**
- ☐ on two or four capacitive probes with "resistive" interface (2 wires)

Two or four inputs for fuel level Sender(s)/Gauge(s)

Reference

"MG_FLIntXY" where X is the number of inputs and Y is the number of output(s)

REF	DESCRIPTION	INPUTS	OUTPUT(S)
MG_FLInt22	2 separate channels	2	2
MG_FLInt21	2 channels "Adder"	2	1
MG_FLInt44	4 separate channels	4	4
MG_FLInt43	2 separate channels and 1 x (2 channels "Adder")	4	3
MG_FLInt42	2 x (2 channels "Adder")	4	2

Specifications

Case : ABS

Dimensions : 34 x 24 x 16 mm approx.

Weight : 20 grams approx.

Supply voltage : +5Vcc (from MGL measurement system)

Supply current : 0.5 mA typical

Temperature : -40°C to +85°C

Electronics : epoxy molded

Wires

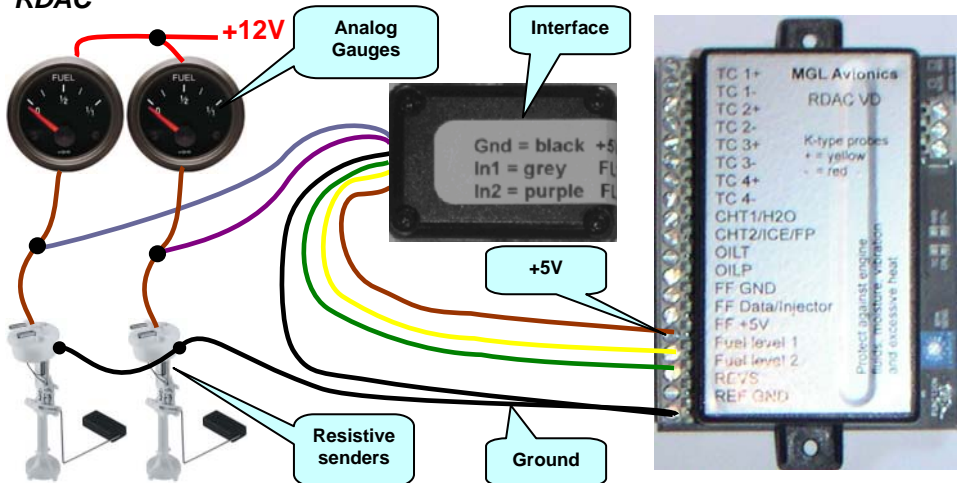
Wires length 15cm approx.

COLOR	DESCRIPTION		"ADDER" VERSIONS
Black	Ground (0V)		
Brown	+5V DC supply		
Grey	Input 1		
Yellow	Output 1	Input 1 x 0.69V	(Input 1 + Input2) x 0.35V
Purple	Input 2		
Green	Sortie 2	Input 2 x 0.69V	
Red	Input 3		
White	Sortie 3	Input 3 x 0.69V	(Input 1 + Input2) x 0.35V
Orange	Input 4		
Blue	Sortie 4	Input 4 x 0.69V	

Wiring Diagram

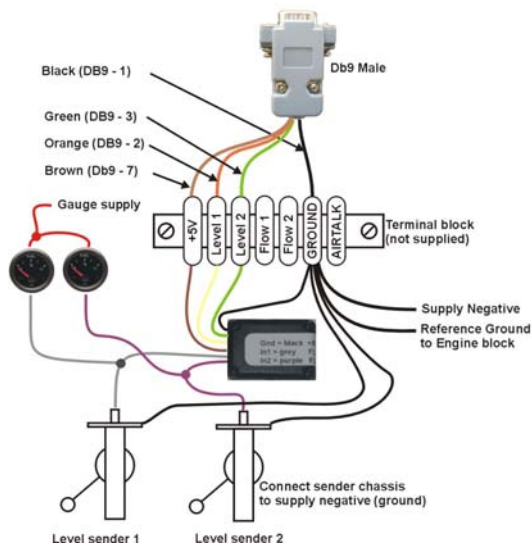
Analog gauge(s) in following diagrams can be replaced with 220Ohms 2W resistor(s)

RDAC



Caution: incorrect wiring may damage RDAC and/or Interface

FF-x



Caution: incorrect wiring may damage FF-x and/or Interface

Warranty

The product is guaranteed against faulty workmanship for a period of 24 months from date of purchase. Delta Omega may at their discretion decide to either repair or replace the product. Delta Omega will provide free labor and parts. Courier costs or postage costs will be for the account of the purchaser. Please note: Certain parts are subject to breakage by misuse or external influences that cannot be covered by any warranty. In particular the following possible damages are excluded:

- Any damage due to unusual events e.g. aircraft crashes, hard landings, dropping the instrument, excessive G forces, excessive vibration.
- Exposing the instrument to incorrect power supply voltages, such as connecting the instrument to mains power supply, any voltage in excess of 30 volts DC, and any AC voltage.
- Connection of unqualified or incorrect devices. Please contact us before you connect anything unusual to this instrument.
- Damage due to excessive static discharge.
- Damage due to lightning strike.

Any signs of opening the instrument or tampering with any of the internal parts will invalidate the warranty.

Delta Omega endeavors to repair any faulty unit whether inside or outside of the warranty period speedily and at the lowest possible cost. Your first stop in case of a malfunction should be the dealer where you bought the product. It may be possible to repair your product without it having to be shipped to us.

DISCLAIMER

Delta Omega cannot be held responsible for incidents or damage by whatsoever nature caused by incorrect fuel level indication. Installation and operation of the product and its related parts is outside our sphere of influence and control. We do not manufacture either the fuel level sender or the fuel flow sender and are not appointed agents of either.

Delta Omega cannot be held responsible for incidents or damage by whatsoever nature caused by incorrect readings, displays, installation or operation of the product.

Operation of the product is the responsibility of the pilot in command of the aircraft. The pilot in command has to make himself/herself familiar with the operation and limitations of the product before commencing ground or flight operations as well as all other aspects of operation.

The product has not been submitted to the CAA or FAA or EASA or any of its agencies for any form of certification. Operation and installation of this product is subject to the relevant rules and regulations of your country and flight authority.

If any of the above is not acceptable to the pilot in command he/she must refrain from operating the aircraft or remove the product from the aircraft before commencing aircraft operations.

WEEE

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

