

ANINAM MURTSNI

(B)

- Displays Fuel Flow in GPH or LPH
- Total or Trip Fuel Used
 - Low Fuel Alarm
- Calculates Fuel Remaining In Tank
- Gas Engines Only

Troubleshooting Chart

No display:

- Check DC power connections and DC polarity with voltmeter. Check fuse.

No flow reading indicated:

- Check connection to flow transducer
- Remove transducer from fuel line, blow through transducer, a whistling noise will indicate the turbine is rotating.

Low flow reading indicated:

- Check your primary and secondary filters for obstructions. If no filters are fitted this will lead to blockage and damage of flow transducer (see page 5).
- Check calibration is correct.

No fuel reading:

Check your primary and secondary filters for obstructions. If no filters are fitted this will lead to blockage and damage of flow transducer (see page 5).

High or erratic reading:

Check fuel connections are well made. Air in fuel lines will cause erratic or high

Contents

Operation

Fuel Flow

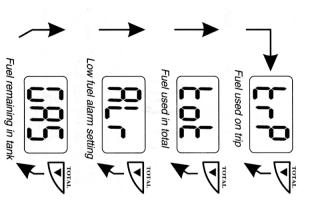
Press the ▲ key to display the current fuel flow rate





Fuel Remaining Functions

2 seconds before the value is displayed. possible functions. Each time the lacktriangledown key is Press the ▼ key to cycle through the pressed the display will show an identifier for



Changing the fuel remaining value

displays the current value. indicates LR5 for two seconds and ther tank press the ▼ key until the display To change the value of fuel remaining in the





and the displayed value will begin to flash. Press and hold both keys for three seconds



Press and hold for 3 seconds



this function. The display will indicate GRS Press and hold both keys for one second to and then the new value save this new value to memory and to exit Use the ▲ and ▼ keys to change the value

Setting the low fuel alarm

alarm value has been entered the LCD wil will then display the present alarm value. If no Use the ▼ key to select the alarm function. indicate UFF The LCD will indicate Rt r for two seconds and





and the displayed value will begin to flash. Press and hold both keys for three seconds



Press and hold for 3 seconds



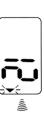
£ r and then the new value to exit this function. The display will indicate second to save this new value to memory and alarm value. Press and hold both keys for one Use the ▲ and ▼ keys to select the desired



activated. The arrow pointing at the alarm bell will be

Alarm activation

alarm value, the alarm will sound and the alarm arrow will flash. If the fuel remaining value drops below the fue



condition remains. arrow will continue to flash as long as the alarm Press any key to mute the alarm. The alarm

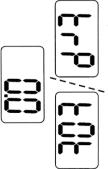
TOTAL LOG Resetting the TRIP LOG or the

indicates the name of the log to be reset. To reset a log, press the lacktriangle key until the display

before resetting to zero. Press and hold both keys for three seconds The display will show \chi P or \chi Ut for 2 seconds



Press and hold for 3 seconds



changing the total log value. The trip log value may be reset without

log will automatically reset to zero. If the total log is reset to zero, then the trip

Note :

the trip log will be reset to zero. If the total log exceeds 999 then both it and

Specifications - for use with gas engines only.

Mount Display Depth behind face plate 3" min. 3-character LCD 2 1/16" diameter hole

Backlighting

Red colored diffused lighting for display.

Front will withstand direct water spray.

Water Integrity

a preset alarm value. remaining fuel total has dropped below Audio and visual alarm indicates

0.5 to 43 US gallons per hour

2.5 to 160 liters per hour

0.4 to 36 imperial gallons per hour readings or indicate 0 flow below .5 gph. The instrument may show erratic

Logs record fuel used up to 999 display

in memory at power down. Both Trip Both Trip Log and Total Log are saved Log and Total Log can be reset.

Fuel Remaining

automatically subtracted from the total The quantity of fuel used is User enters a fuel value into memory. This value remains in memory at power

8 VDC to 16.5 VDC Operating Voltage

Operating Temperature

Current Drain 0°C to 50°C (32°F to 122°F)

90 mA max. with supplied transducer.

Compliance/Certifications

EN50081-1 and EN50082-1 and FCC one meter of the instrument. channel (with 3 dB gain antenna) within Complies with International Standard Complies with CE EMC standards <6 dB quieting on any marine radio ISO 8846:1990(E). Section 15.

MPORTANT

advice prior to installation is not covered by warranty. If in doubt please consult you local Faria® Marine dealer for If there is not a suitable length of hose after the primary filter, an in-line filter (30 micron or micron. The lower the micron rating the finer the filtration) Failure to provide this level of a good quality water separator type with a minimum filtration of 30 microns or better. (10 or 2 better) should be fitted before the Fuel Flow transducer. Damage due to insufficient filtration filtration protection will result in inaccurate readings or total failure or damage to the transducer. Always install the Fuel Flow Transducer AFTER the primary filter. The primary filter must be

Installation

is turned on, the gauge is recording the fuel used. If an accessory switch is used and you Always wire your Fuel Management Gauge into your boat's ignition so that when the engine inaccurate. If you are unsure how to do this, contact a qualified marine electrician. forget to turn the unit on then the gauge will not have recorded the fuel used and will be

Location

for above or below deck installation. Select a The Fuel Management Gauge is designed

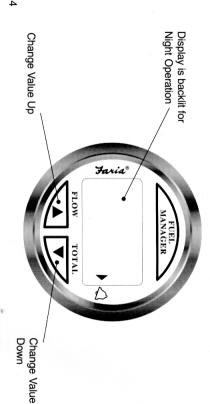
position that is:

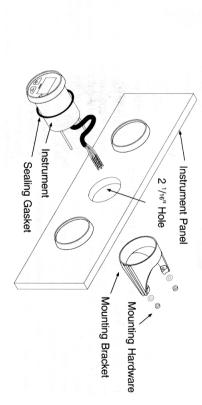
On a flat surface

- At least 12" from a compass
- At least 20" from any radio
- Easy to read by the helmsman and crew
- Protection from physical damage
- Accessible to electrical cable connections.

Mounting

- The instrument panel may be up to 3/4" in thickness.
- Drill a 2 1/16" hole in the instrument panel
- instrument panel. instrument so the back is flush with the Remove brackets and insert the
- Slide the back clamp over the instrument and tighten mounting nuts until secure.

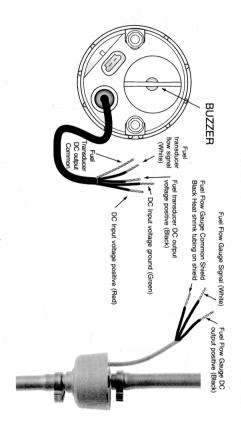




Wiring Connection

- Keep electrical and transducer cables away from alternator or other noise generating electrical cables. Avoid connecting the instrument to power circuits that share loads with ignition, alternators, inverters and radio transmitters. Electrical power supply connections should always be as short as possible.
 - Connect the red wire from the gauge to the positive supply through a 1 amp fuse or a 1 amp circuit breaker. Connect the green wire from the gauge to the electrical ground.
- Connect the fuel flow transducer to the gauge as follows:

White - Fuel Flow Signal White White Black - Fuel Flow DC Output Positive Black Shield - Fuel Flow DC Output Common Shield w/ Black shrink tubing



Installation of the fuel flow transducer

The fuel flow transducer is designed for installation in Coast Guard approved ³/₈" flexible fuel line. The transducer MUST be installed AFTER the main fuel filter. It should be located well away from any area where it will be effected by excessive heat or vibration from the engine. It is preferable to mount the transducer in a vertical position.

Drain all the fuel from the flexible fuel line. Cut the fuel line and using the fuel hose attaching clips provided install the transducer so that the FUEL IN side of the transducer connects to the fuel tank.

Instrument Setup

Selecting units of measure
The Fuel Management fuel flow meter will indicate fuel values in US gallons, Liters and Imperial gallons. To change the current setting perform the following steps.



Hold down during power up

2 When the unit is on, release the ▼ key. The display will indicate the current display unit with:



Imperial Gallons

ω



US Gallons



Liters

- 3 To select the display unit desired, use the ▲ and ▼ keys to change the value.
- To exit this mode, press and hold both the ▲ and ▼ keys simultaneously for one second.



Press and hold to exit

Information will now be indicated in the selected display unit.

Calibration

The fuel transducer supplied with the fuel flow meter will provide readings at better than 5% accuracy. Individual calibration will increase this level of accuracy to better than 2% over a fuel flow range of 2 to 32 US gallons per hour.

While a properly calibrated unit should provide accuracy within the published limits, the user should also have a level sender or fuel level gauge installed in the boat. This is necessary due to possible operator induced errors such as forgetting to reset the fuel used when filling the tank, or other operator controlled actions that may render the device inaccurate.

flow meter:

Use the following steps to calibrate your fuel

- 1 Reset the total log value to zero (see page 9).
- Use a known amount of fuel. The larger the amount the more accurate the calibration will be.
- Take note of the actual volume of fuel used and the fuel used indicated by the total log. If these two totals are different the instrument may require calibration.
- Press and hold the **A** key while applying power.



Hold down during power up

5 Release the ▲ key. The display will flash current total log value.



- Use the A or Veys to make the display indicate the actual volume of fuel used.
- 7 Press both keys simultaneously to 1 sec to exit.



Press and hold to 1 second

The fuel flow meter is now calibrated.