



Sales Office  
20675 N. Friends Road  
P. O. Box 309  
Greenleaf, ID 83626  
USA



by  
**GREENLEAF  
GAUGE**



A Division of I.T.M. Electronics, Inc.

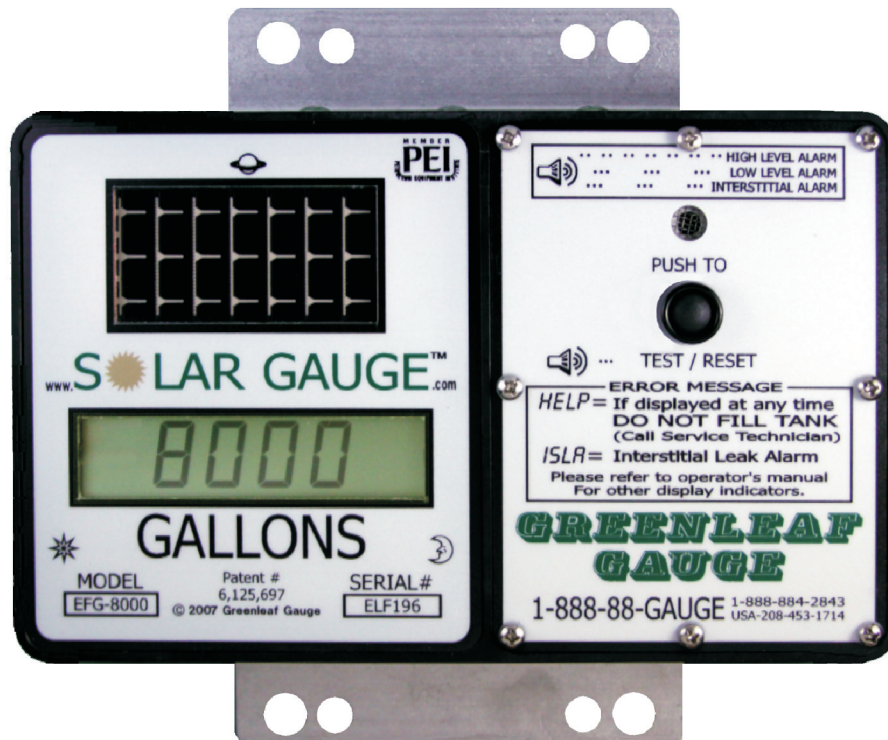
888-884-2843  
888-884-4145 - Fax  
Outside USA  
208-453-1714  
208-459-3365 - Fax

MODELS: EFG-8000-I, EFG-8000-A, EFG-8000-N

## SOLAR POWERED ELECTRONIC TANK GAUGE

Available in 3 basic models

- ☀️ **EFG-8000-I,**  
The gauge displayed to the left with Interstitial, low, & high alarms and data output.
- ☀️ **EFG-8000-A**  
Similar to the gauge displayed with low, & high alarms and data output.
- ☀️ **EFG-8000-N**  
Similar to the gauge displayed with no alarm options, but with a data output.



The new EFG-8000 SOLAR GAUGE™ offers the latest in accurate digital tank monitoring with additional product options for external alarms and controls in one easy to install system. Both the gauge and the alarm are powered by a solar cell charging a Nickel Metal-Hydride battery, plus a lithium back up battery. This system eliminates the need for any external power supply, thus reducing the high cost of installation.

### LOW LIGHT APPLICATIONS

A **battery model** is available if it is necessary to install the gauge console in a location which does not offer a sufficient amount of sun light.

- ☀️ Monitors tanks from 9" to 516" tall
- ☀️ Solar powered gauge and alarm with customer replaceable backup battery.
- ☀️ Requires NO external power supply. Gauge will operate uninterrupted for days, weeks, months and years when the power is out!
- ☀️ Six digit LCD display monitors tanks up to 99,990 units - gallons, liters, inches or %.
- ☀️ Diagnostic capabilities to assist during installation, programming, and operation.
- ☀️ Functional test port provided on the outside of the transducer for simulating an actual HIGH LEVEL ALARM liquid condition.
- ☀️ Optional interface modules available for 4-20 ma. Controls, High and/or low pump controls, remote alarms, remote digital displays with many visual & audible alarm options.

Contact your distributor  
for more information.



## Specifications EFG-8000

Supply Source:	Solar cell
Battery power:	Nickel Metal-Hydride Solar rechargeable battery
Backup power:	Lithium battery
Accuracy:	+/- 1.0% optimal +/- 2.0% typical
Housing:	AL / Plastic, NEMA4 equiv. 5.75"H (8.5" H w/ mounting brackets) x 9.25 W x 1.50" D
Display:	6 Digit LCD Digital
Expansion:	Data output available only to our optional products
Operating Temperature:	-30° F to 140° F
Warranty:	1 Year

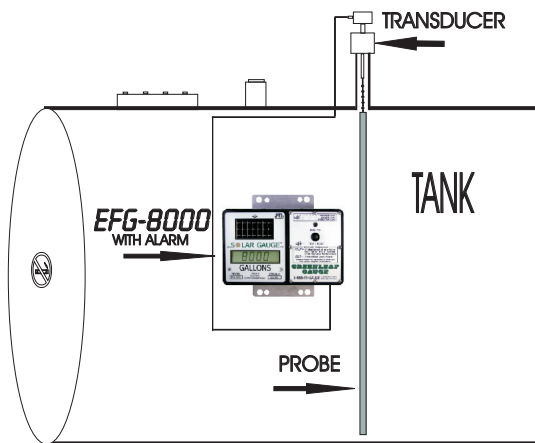
## OPTIONAL EQUIPMENT

**INTERSTITIAL ALARM ASSEMBLY:** A normally closed circuit which provides an input for visual and audible alarms when liquid is detected in the interstitial area.

**DATA CONVERTERS:** Available for High and/or Low tank level outputs for alarms or pump controls. A 4-20 mA control signal is also available separate or all together.

**REMOTE INDOOR MONITORS:** Provides the option to monitor tanks from a remote location, both tank quantity and alarms. Ideal for offices & C stores. Powered by 120v plug-in power supply.

**REMOTE HIGH/LOW LEVEL ALARMS:** Audible and Visual LED or strobe light alarm options are available.



## INSTALLATION

The Solar Gauge needs to be installed in order to allow the gauge to receive at least one hour of direct sunlight each 24 hour period. Battery models are available if this is not practical. The manufacturer's specifications concerning installation of the gauge and transducer, requires the wire connecting the transducer and gauge, in addition to the connectors, to be protected from the elements and other possible physical damages by the use of appropriate electrical items such as conduit and junction boxes. Precautions must also be taken to keep moisture from entering the gauge console. The manufacturer will not be responsible for problems arising from improper equipment installation.

### FDEP APPROVALS:

EQ-713 Overfill Protection, EQ-714 Interstitial Monitoring

### DISTRIBUTED BY



## CALIBRATION

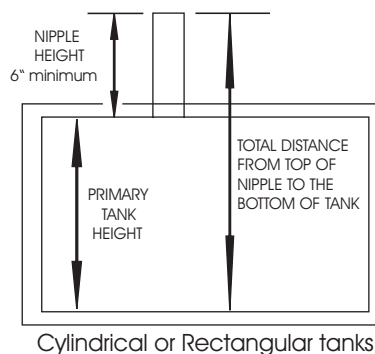
Typically, all SOLAR GAUGE products have been per-calibrated by the manufacturer. These calibrations are based on the following information: Size and dimensions of the tank, actual tank capacity, type of liquid to be measured, the desired high level over fill alarm value, low level warning alarm value, and the off-set value to compensate for the unusable fuel to be left in the tank. Calibration adjustments can also be easily accomplished by the operator in the field if necessary.

## OPERATION

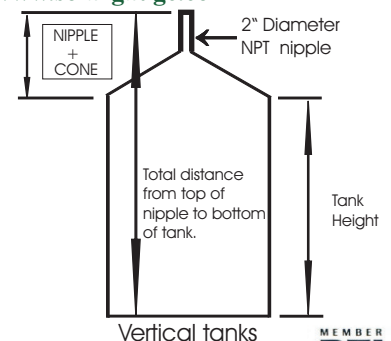
As liquid is added to, or removed from the tank, the changing buoyancy of the probe reflects the changing volume in the tank via the digital display. The gauge can be easily calibrated to read out in gallons, liters, pounds, inches, or % of tank full. Being solar powered, the gauge requires no external supply voltage.

## ORDERING INFORMATION

Probes are custom manufactured according to the tank height and type of liquid to be measured. Please provide: **1.** Nipple length plus height above tank **2.** Primary tank height **3.** Total distance from top of the 2" NPT pipe nipple to the bottom of tank **4.** Type of liquid to be measured **5.** Shape of the tank **6.** Amount of wire needed between the gauge and transducer. Gauge accuracy is directly related to the accuracy of the information supplied with the order. For the best performance, we recommend a minimum 4" long pipe nipple. Check out our web site. [www.solargauge.com](http://www.solargauge.com)



Cylindrical or Rectangular tanks



Vertical tanks