

# *ScanGauge*<sup>e</sup>™

By Linear-Logic

[www.ScanGauge.com](http://www.ScanGauge.com)



## *Quick Start Guide*

*Plugs into the diagnostic connector already  
built into all 1996 or newer cars and light trucks.*

# 1) Quick Start Installation

## 1. Locate the OBDII connector.

This connector is normally located under the dash on either side of the steering column

### Locate a place for the ScanGauge.

You can use the sticky-back Velcro® supplied with the ScanGauge to attach it to the location you have chosen.



OBDII Connector



Typical OBDII Connector location



**DO NOT** mount the ScanGauge over an air bag cover where it could be propelled by a deploying airbag.

## 2. Route the cable.

Route the cable from the OBDII connector and plug the small end of the cable into the back or side of the ScanGauge.

## 3. Turn the vehicle on.

Start your vehicle or turn the ignition to the ON position.

## 4. Plug the ScanGauge plug into the OBDII socket.

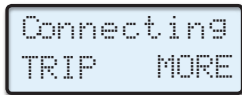
Once connected with the vehicle running or the ignition in the ON position, your ScanGauge will display the Connecting Screen, and then switch to the Home Screen.

When the Home Screen is displayed, your ScanGauge is connected and has established communication with your vehicle's computer.

Small end of the cable connects to your ScanGauge.

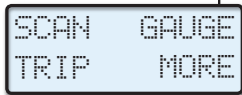


Large end of the cable connects to your vehicle.



Connecting Screen

Up to 60 seconds



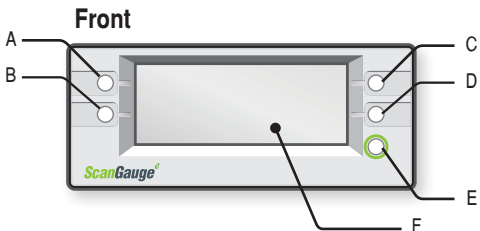
Home Screen

## 5. Proceed to set up.



If it does not stop saying "Connecting" or the screen goes blank after 60 seconds, refer to Troubleshooting section in the ScanGauge User Manual.

# ScanGauge Layout



## Back



- |                                     |                                 |
|-------------------------------------|---------------------------------|
| <b>A.</b> Function/Selection Button | <b>E.</b> Home Button           |
| <b>B.</b> Function/Selection Button | <b>F.</b> LCD Display Screen    |
| <b>C.</b> Function/Selection Button | <b>G.</b> OBDII Connection Plug |
| <b>D.</b> Function/Selection Button |                                 |

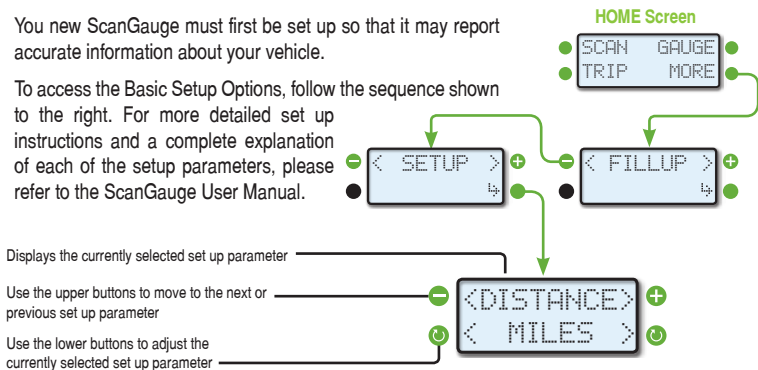
## Package Contents

- ScanGauge
- 6-ft OBDII Cable
- Velcro® Strips
- User Manual
- Quick Start Guide

## 2) Set Up Your ScanGauge

Your new ScanGauge must first be set up so that it may report accurate information about your vehicle.

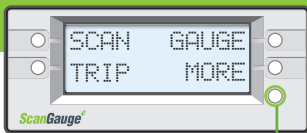
To access the Basic Setup Options, follow the sequence shown to the right. For more detailed set up instructions and a complete explanation of each of the setup parameters, please refer to the ScanGauge User Manual.



set up Parameter	Display	Options
Distance Units	DISTANCE	Miles, Kilometers
Fuel Units	FUEL	Gallons, Liters
Temperature Units	TEMP.	Fahrenheit (°F), Celsius (°C)
Pressure Units	PRESS.	PSI, KPA
Engine Size	ENGINE	Increase or decrease the LITERS size until it matches the size of your engine
Tank Size	TANK	Adjustable in 1 Gallon/Liter Increments
Fuel Type	FUEL	GAS, DIESELa, DIESELb, HYBRID, and LPG.
Currency type	CURRENCY	\$, £, ¥, €
CO2 Units	CO2	KG, LBS
Advanced Settings	ADV	For an explanation of the Advanced Setting Options, please refer to the user manual and ScanGauge.com

## 3) Using Your ScanGauge

Your ScanGauge features an easy-to-use menu-driven design. Pushing the button next to each selection will display that information. Pushing the HOME button will take you back to the Home Screen at anytime.

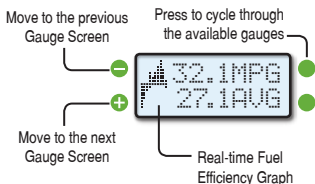


Push the HOME button to return to the Home Screen at anytime.

### GAUGE

#### Use the built-in Digital Gauges

The ScanGauge features a real-time fuel economy feedback graph as well as three default gauge screens; a Fuel Efficiency Monitor, CO<sup>2</sup> Monitor and Fuel Cost screen. In addition to the three default screens, ScanGauge provides two additional screens you can use to set your own gauges.



### TRIP

#### Using the Trip Computers

ScanGauge stores multiple sets of trip data:

- Current Trip
- Today's Trip
- Previous Day's Trip
- Current Tank
- Tank To Empty

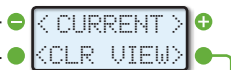
Push the upper left and right buttons to cycle through the list of trip computers

Push to clear the current trip data

Push the upper buttons to cycle through the trip data for the selected trip

Push the lower left button to return to the list of trip computers

Displays the data for the selected trip parameter



### SCAN

#### Turn off the Check Engine Light

When your vehicle's computer detects a problem, it may store a trouble code which can cause the Check Engine Light on your dash to light up. The ScanGauge gives you the ability to read and clear these trouble codes.

Indicates the number (if any) of stored trouble codes

Push the upper buttons to cycle through the stored trouble codes

Push the lower left button to return to the previous screen

Push the button next to CLEAR to clear the code and turn off the Check Engine Light. If there is more than one code stored, you may need to clear all.



## 4) Calibrating Your ScanGauge

The accuracy of your ScanGauge can be improved by calibrating the fuel consumption. Calibrating your ScanGauge to accurately report fuel consumption is a 2-step process;

- 1) Your **First Fill-up**,
- 2) Your **Second Fill-up**.

For more detail information about calibrating your fuel consumption as well as how to calibrate your ScanGauge to your vehicle's speed, please refer to the ScanGauge User Manual or go online to [www.scangauge.com/support](http://www.scangauge.com/support).

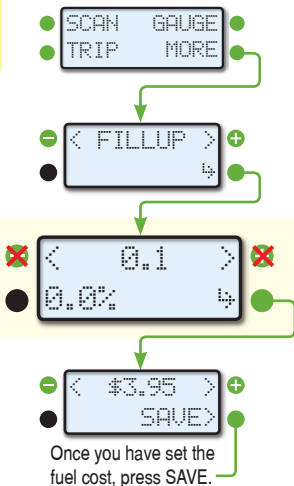
After following the initial calibration procedure, you should follow Step 2 for each subsequent fill-up.

If you miss a fill-up procedure after filling your tank, start with Step 1 of the calibration process on your next fill-up to maintain accuracy .

### Step 1 - Your First Fill-up

Follow these calibration instructions only when you are filling your fuel tank. If you do not fill your tank to it's capacity, then the calibration process will not produce accurate results.

- 1) Fill up the tank, letting the pump shut off automatically.
- 2) Use the FILLUP function to tell ScanGauge you have filled the tank. From the Home Screen, follow the sequence shown to the right.
- 3) **On your first fill-up, DO NOT make any adjustments to the indicated fuel. Simply press the lower right button to move to the next screen.**
- 4) Next, the Fuel Cost Screen will appear. Use the upper left and right function buttons to adjust the cost per gallon/liter, and press the lower right function button next to SAVE.
- 5) Keep the ScanGauge connected to your vehicle and use the vehicle normally.
- 6) Once you reach approximately 1/4 tank of fuel left, follow the directions in Step 2.



## Helpful Calibration Tips:

- When filling the tank on your second fill-up, try to use the same pump you used for your first fill-up with the vehicle pointed in the same direction. If you fill up your fuel tank with your vehicle on an incline, it can have an effect on the amount of fuel the pump can dispense into your tank.
- When filling your tank, let the pump shut off automatically. Do not top off.
- To maintain accurate "TO EMPTY" information in the ScanGauge's trip computers, you should always fill your tank to capacity and follow the FILLUP sequence in Step 2.
- Once you have completed your second fill-up, subsequent fill-ups may not require adjusting the gallons/liters before pressing DONE.

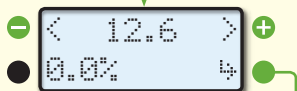
## Step 2 - Your Second Fill-up and Subsequent Fill-ups



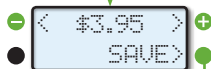
- 1) When the tank is around 1/4 full, fill up your tank again. Be sure to let the pump shut off automatically.



- 2) Use the FILLUP function to tell ScanGauge you have filled the tank. From the Home Screen, follow the sequence shown to the left.



- 3) The next screen will show the amount of fuel your ScanGauge believes was used since the previous fill-up. **Use the upper left and right function buttons to adjust the amount of fuel you actually put in the tank.**



Once you have set the fuel cost, press SAVE.

- 4) Push the lower right function button to save the value and complete the fill-up process.

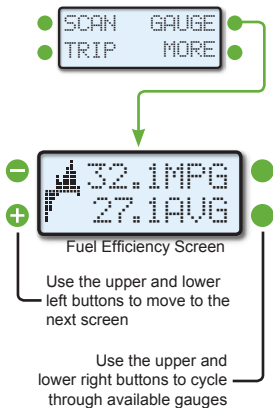
- 5) Next, the Fuel Cost Screen will appear. Enter the cost per gallon/liter and press the lower right function button next to SAVE.

## 5) Learn How to Save Fuel With ScanGauge

The easiest way to learn to improve your fuel economy is to have real-time feedback about how your driving style effects overall fuel use. ScanGauge can provide the kind of real-time feedback you need to adjust your driving style as you drive to save fuel and to reduce your carbon footprint.

The GAUGE screen provides quick access to three default gauge screen set ups and two custom gauge set ups

Screen	Description
Screen 1	<b>Fuel Efficiency Screen</b> (shown to the right)
Screen 2	<b>CO2 Screen:</b> Shows current and today's trip CO2 production
Screen 3	<b>Cost Screen:</b> Shows current trip and today's total fuel cost
Screens 4 & 5	<b>Custom Gauge Set:</b> set your own gauges using the upper and lower right function buttons

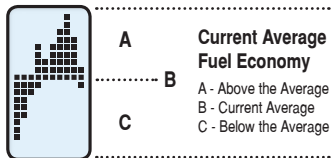


### Real-time Fuel Economy Feedback Graph

ScanGaugeE™ provides you with real-time information about your vehicle's fuel economy through an intuitive graphic display. Use the instant feedback provided to adjust your driving style and improve your fuel economy.

The graph represents your **current average fuel economy over a period of time** and is separated into 3 sections; (A) above your average, (B) at your average, and (C) below your current average.

As you drive, the graph will scroll to the left at regular intervals (see page 19) and provided



feedback about your average fuel economy for the current trip. Your goal should be to keep the graph above the **Current Average (B)** line. As your trip progresses, this may become increasingly difficult as you raise your current average fuel economy.