



## **30-4400 DIGITAL DISPLAY GAUGE**

Thank you for your purchase of AEM Performance Gauges!

The AEM Digital Display Gauges are designed for easy installation and usability. The 30-4400 Battery Voltage Gauge kit comes with all the necessary components to install and use the gauge. Follow the instructions printed in this quick start sheet to install your gauge and start using it as soon as possible.

Visit the "[AEM Gauges](#)" section of the AEM electronics forum for more information on the advanced features of this gauge.

The forums can be accessed by clicking on the "[FORUMS](#)" link on the AEM home page, [www.aempower.com](http://www.aempower.com).

**WARNING:** This installation is not for the electrically or mechanically challenged!

**Use this sensor with EXTREME caution!**

**If you are uncomfortable with anything about this, please refer the installation to an AEM trained tuning shop, or call 800-423-0046 for technical assistance.**

**You should also visit the [AEM Performance Electronics Forum](#).**

**NOTE:** AEM holds no responsibility for any engine damage that results from the misuse of this product!

**This product is legal in California for racing vehicles only and should Never be used on any public road, or highway.**

## Contents

The **30-4400** Kit Contains:

Quantity	Description
1	Battery Voltage Gauge assembly
1	Installation Cable
4	Butt Connector
1	Silver Bezel
1	White Battery Voltage Faceplate
1	Instructions

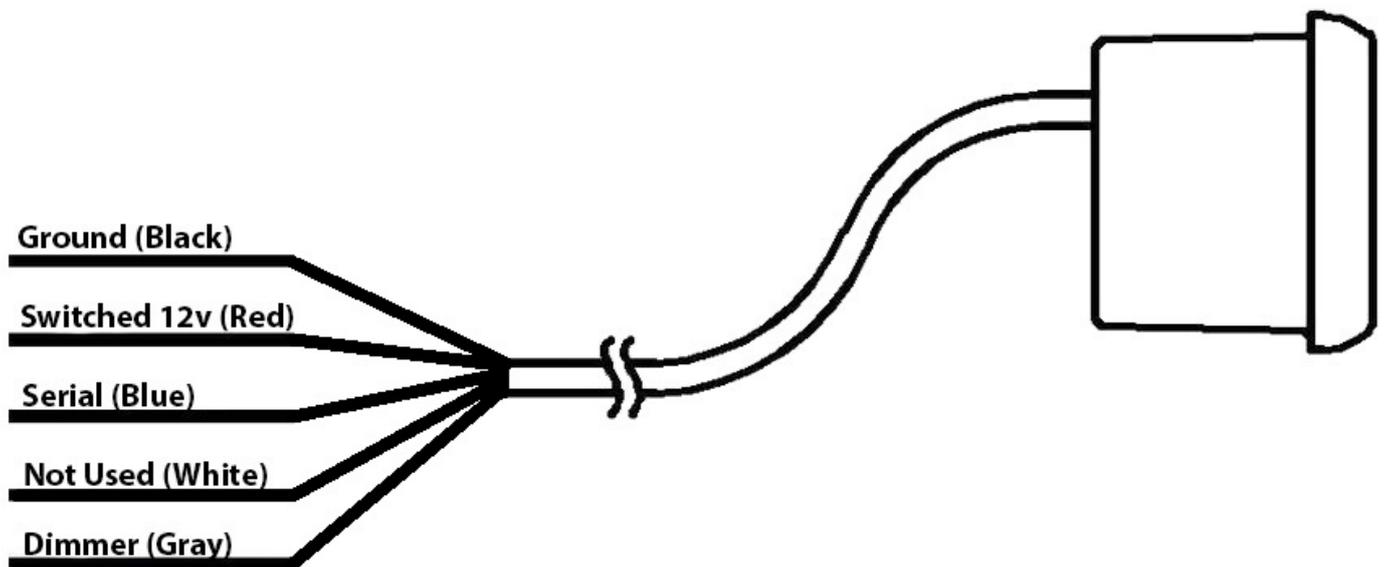
## Installation

### Electrical connection

In order to use the gauge, only the red and black wires need to be connected. The white and blue wires do not need to be connected. Connect the red wire to switched +12V. Connect the black wire to a known good ground.

Plug the connector on the harness into the mating connector on the sensor.

See the connection diagram below:



Wire color	Connection type
Red	Switched 12 volt Input (Ignition)
Black	Chassis or Battery Ground
Blue*	Not used
White*	Not used
Grey*	Dimmer

\* Blue, White, and Grey wires are optional. They are not required for proper gauge operation.

## **Faceplate Installation**

### **Changing the gauge configuration**

The AEM UEGO gauge comes configured with the black bezel and the black faceplate. However, a silver bezel, and a white faceplate, are also included in the gauge kit.

To change the faceplate or bezel, orient the gauge so you are looking at the faceplate. Rotate the bezel counter-clockwise to unscrew it from the gauge cup.

The bezel, glass lens, rubber spacer, faceplate, and anti-glare shield are all removable.

Reassemble the gauge as shown in the photo below. Make sure the small light holes in the faceplate and anti-glare shield line up with the light sensor on the circuit board.

When re assembling the gauge the bezel should be snug. Do not over tighten the bezel when reassembling the gauge. (Figure 11)



**Figure 11. Gauge assembly**

## **Warranty**

Advanced Engine Management Inc. warrants to the consumer that all AEM Electronics products will be free from defects in material and workmanship for a period of twelve months from date of the original purchase, Excluding O2 sensors.

Products that fail within this 12-month warranty period (excluding O2 sensors) will be repaired or replaced when determined by AEM that the product failed due to defects in material or workmanship.

This warranty is limited to the repair or replacement of the AEM part. In no event shall this warranty exceed the original purchase price of the AEM part nor shall AEM be responsible for special, incidental or consequential damages or cost incurred due to the failure of this product.

Warranty claims to AEM must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is non-transferable.

All implied warranties will be limited in duration to the said 12-month warranty period.

Improper use or installation, accident, abuse, unauthorized repairs or alterations voids this warranty. AEM disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by AEM.

Warranty returns will only be accepted by AEM when accompanied by a valid Return Merchandise Authorization (RMA) number.

Product must be received by AEM within 30 days of the date the RMA is issued.

Please note that before AEM can issue an RMA for any electronic product, it is first necessary for the installer or end user to contact the tech line at 1-800-423-0046 to discuss the problem.

Most issues can be resolved over the phone. Under no circumstances should a system be returned or a RMA requested before the above process transpires.

AEM will not be responsible for electronic products that are installed incorrectly, installed in a non approved application, misused, or tampered with.

Any AEM electronics product can be returned for repair if it is out of the warranty period. There is a minimum charge of \$50.00 for inspection and diagnosis of AEM electronic parts.

Parts used in the repair of AEM electronic components will be extra. AEM will provide an estimate of repairs and receive written or electronic authorization before repairs are made to the product.

Need additional help? Contact the AEM Performance Electronics tech department at 1-800-423-0046 or [tech@aempower.com](mailto:tech@aempower.com), or visit the AEM Performance Electronics forum at <http://aemelectronics.com/forum>