Holley EFI Two Axis G Meter
PN 554-162

Overview

The Holley Two Axis G Meter provides both an X (acceleration) and Y (cornering) G reading. The X axis registers from a negative 3 G (deceleration) to a positive 12 G (acceleration). The Y axis registers +/-7.5 G. The unit outputs a 0-5V analog signal for each channel. The unit must be powered by a battery voltage level supply (do not use 5V).

Mounting

The unit can be mounted using Velcro, which helps dampen vibrations, or mounted solidly. The unit should be placed flat and positioned so the arrow points towards the front of the vehicle.

Wiring

The pinout is as follows:

Pin 1 – Red – Connect to switched battery voltage. Do NOT connect to a 5V power source or the unit will not perform properly. Pins J1-B20 and J2-B20 are good connections on a Holley HP or Dominator ECU. Do not exceed 20 volts.

Pin 2 – Black – Connect to a solid ground source. Any of the “Sensor Ground” inputs on an HP or Dominator ECU are a good choice.

Pin 3 – Green – X axis G input. Connect to an analog (Type = “5”) input on the Holley ECU.

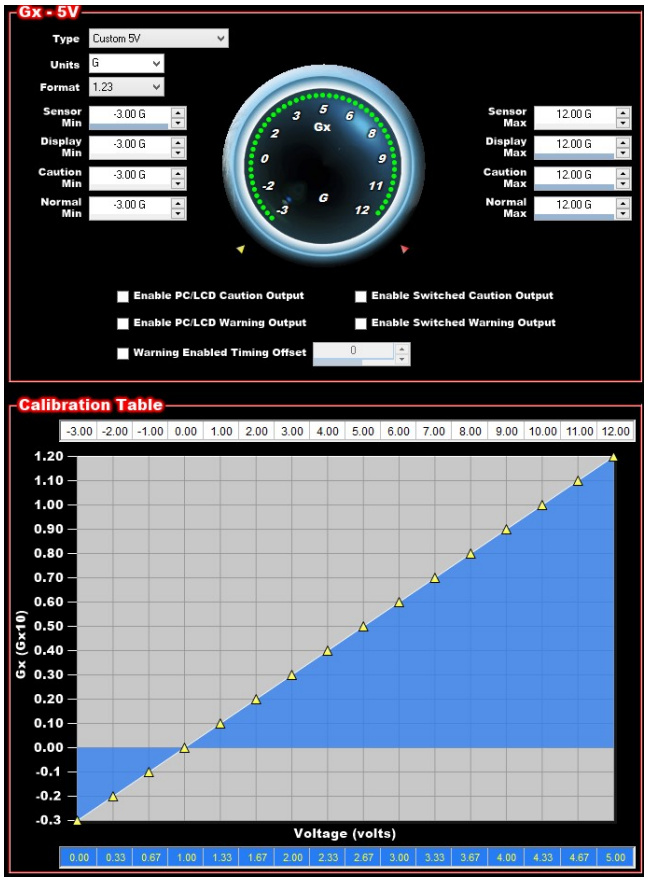
Pin 4 – White – Y axis G input. Connect to an analog (Type = “5”) input on the Holley ECU.

A harness is included that can plug into the Holley ECU connectors. Loose ECU pins are included if the harness needs to be shortened.

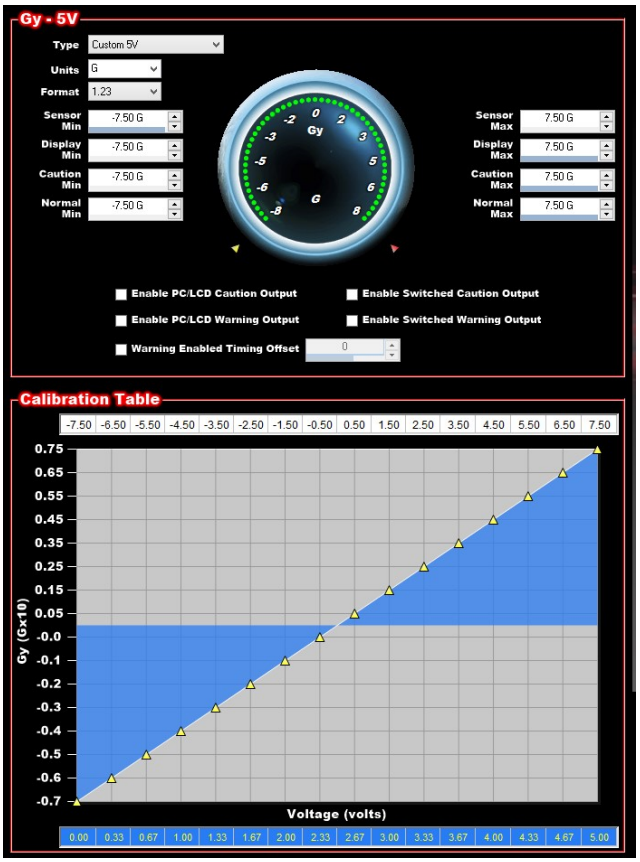
Holley EFI Configuration

Configure the inputs (you don’t have to configure/connect the Y axis if not needed) in the I/O ICF the same as any other analog input. They should be configured as Type = “5 VOLT”. Version 4 and earlier Holley EFI software requires the Gx and Gy inputs to set up as a “Custom 5V” input. See the pictures below on how to set these up. Later software versions will have the Gx and Gy inputs pre-configured in the Settings/Type dropdown under the Holley 554-162 G Meter.

Once configured, the X and Y values should read 0 G when the car is not moving. Tilt the unit front up and the X axis should read 1.0 G. Tilted back the X axis should read -1.0 G. Tilting side to side will show values of 1.0 and -1.0 G on the Y axis.



X Axis Conguration



Y Axis Configuration

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