

35489-MI

u/ Milli Volt High Gain Amplifier

High gain instrumentation amplifier designed around the AD620. Capable of amplifying μV /millivolt AC or DC signals. Single ended or Differential input

This is a High Gain/Sensitive amp; Careful shielding, power filtering and connections should be observed

On Board Voltage minus voltage generator TP7660

to power external sensors requiring a -V (Mirrors+Vin)

Output Buffer Amp LM358

Adjustable gain Pot.

Adjustable Offset ("Zero") Pot.

Supply Range: 3-12VDC

Gain: 1.5-1000 times

Signal Input Voltage: 100 μV - 300mV DC/AC

Signal Output Range: \pm (Vin-2V)

Offset Voltage: 50 μV

Input Bias Current: 1.0nA (max)

Common Mode Rejection Ratio: 100 dB

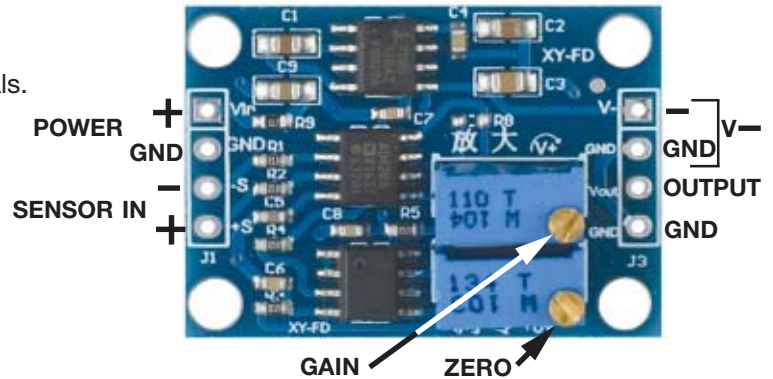
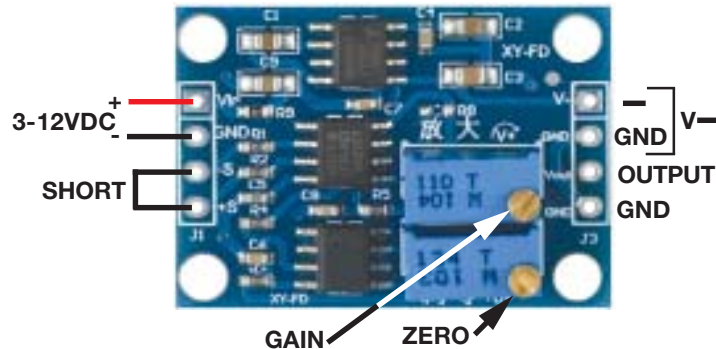
Offset Voltage Drift: 0.6 $\mu\text{V}/^\circ\text{C}$ (maximum)

Stability: 2 μV /month maximum

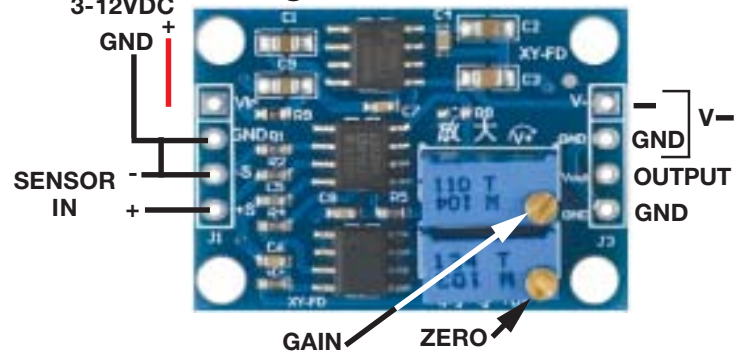
L: 32mm W: 22mm H: 45 mm WT: .01

ZERO Adjustment

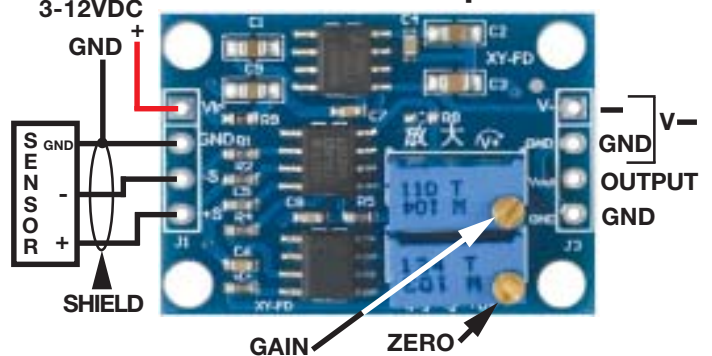
Short the input terminals and adjust the Zero pot until the output is "0"



Single Ended INPUT



Differential Input



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