

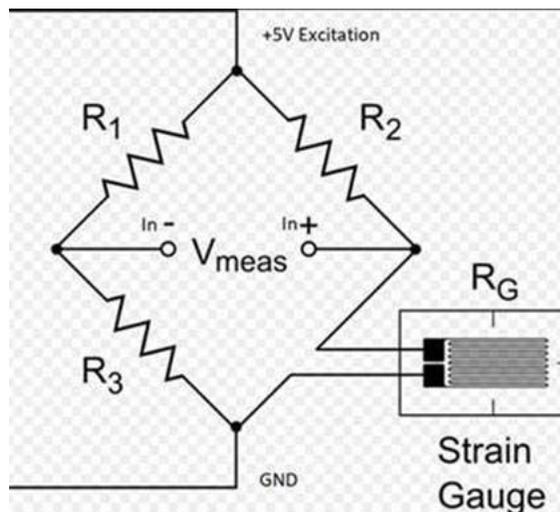
# AN201 – Connecting Axiomatic Strain Gauge CAN Controllers to a Rosette Strain Gauge

## Introduction

The AX200xxx strain gauge controllers can be connected to a rosette strain gauge using a wheatstone bridge.

## Connecting

1. When connecting the Axiomatic AX200xxx to a rosette a wheatstone bridge is required. The Axiomatic unit does not have the wheatstone bridge built into the unit.
2. The strain gauge's wheatstone bridge has 4 connections
  - a. Reference Voltage
  - b. GND
  - c. Differential input+
  - d. Differential input –
3. Each strain gauge in the rosette will have 2 leads which connect to the bridge



4. R1-R3 need to be sized as such so that Rg (when untouched) provides In- and In+ with the same values – measuring 0 (essentially) difference between the bridge.
5. Each strain gauge in your rosette needs to be connected as the 'fourth piece' of a wheatstone bridge to complete it.

<b>Version</b>	<b>Date</b>	<b>Author</b>	<b>Comments</b>
1.00	June 28, 2019	Gustavo Del Valle / Sue Thomas	
1.01	July 4, 2019	Gustavo Del Valle / Sue Thomas	Updated the title for generic strain gauge