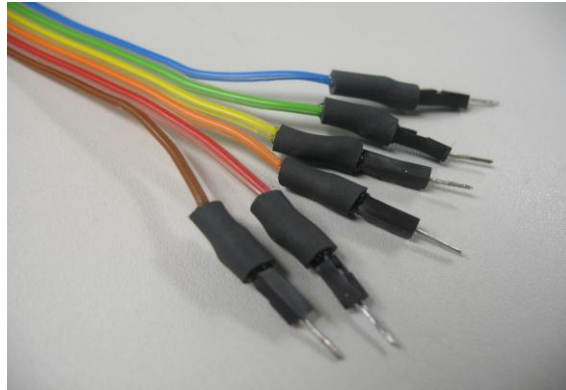


Dielectric Elastomer Sensing Box

DAQ Connections:



Wire Color	DAQ Connection
Brown	GND
Red	5V
Orange	AI 0
Yellow	AO 0
Green	AI 8
Blue	AO 1

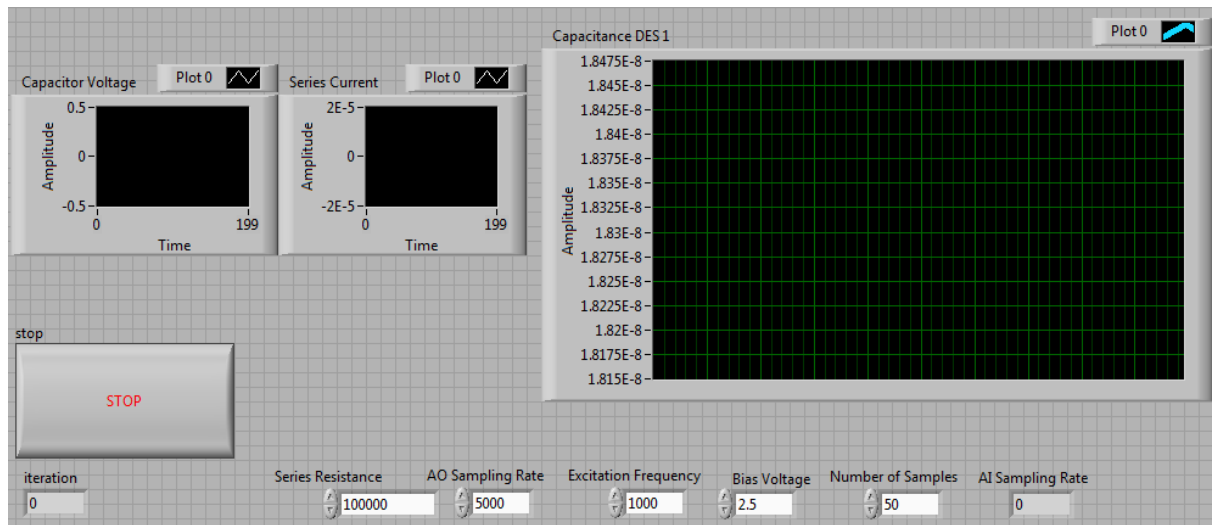
- Ensure that all DGND, AI GND and AO GND are all connected together to remove any offset voltages.

DE Connections



Connect DE to box via Alligator-Banana plugs.

Labview Program



- Sampled data automatically stored in Readings.xls
- Adjust AO sampling rate to read the current signal omitting any extra noise, indicated by the proper 'capacitor voltage' and series 'current plots' (Ideal plots should follow a sign wave with little to no noise)

Circuit Schematic

