

Equipment Needed

- Scope with two probes
- Dual 12 VDC supply
- Cables to both cards
- Function Generator & Lead
- One of each card for testing

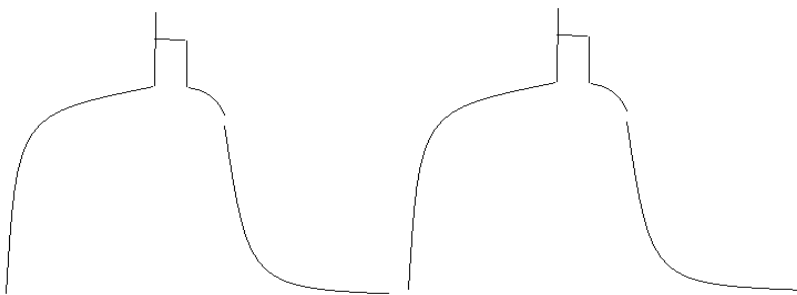
Special Note: If cards are in a metal box, removed and test, then reinstalled into box.

IPAx Test

1. Power Supply connections
 - Connect +12VDC to TB1-D
 - Connect -12VDC to TB1-A
 - Connect Ground to TB2-D
2. Function Generator
 - Connect input reference/ground to TB2-E
 - Connect input signal to TB2-C
3. Adjust function Generator's signal to 2.5KHz in lowest possible amplitude (250mV). IPA2/3 will have a 3KHz input signal instead of the 2.5KHz.
4. Connect scope's reference/ground to TB-2D and the probe to TB-1B
5. Turn on power.
6. Check to see the output sine wave varies as the gain pot is adjusted (10V P-P). It should look like a square wave with a little slant, actually it is a saturated op-amp. The wave form will vary ever so slightly.
7. Turn off power.

IPAOx Test

1. Connect IPA board to IPAO board, use the appropriate frequency.
2. Turn on power
3. Place scope reference on TB3-D and the probe on TB3-E, should see a nice wave form as you did in step 6 of the previous test.
4. Place scope reference on TB3-B and the probe on TB3-C, should see something that looks kinda like a sawtooth wave.



5. Adjust phase pot full clockwise then counter clockwise and waveform should vary about 90 degrees out of phase.