

CALIBRATION

Periodic calibration of the AOB2-P card is recommended if it is used in extreme environmental conditions. The AOB2-P uses very stable components but vibration, or high-low temperature cycles might result in slight analog output errors.

Factory calibration and periodic calibration of the card includes adjustment of the internal reference voltage unless you are using an external reference voltage.

The suggested sequence for calibration is:

- a. Adjust internal reference.
- b. Adjust Channel #0 reference voltage.
- c. Adjust Channel #1 reference voltage
- d. Adjust Unipolar range of Channel #0
- e. Adjust Unipolar range of Channel #1
- d. Adjust Bipolar range of Channel #0
- e. Adjust Bipolar range of Channel #1
- f. Adjust Current Output range of Channel #0
- g. Adjust Current Output range of Channel #1

NOTE: The current output ranges apply only for 5V excitation.

To calibrate the AOB2-P card, run the setup program AOB2-PSET and follow the screen prompts. No attempt at calibration should be made in noisy locations or with a noisy calibration setup.