

Alignment of Glass Scales (Electrical)

Equipment.

Oscilloscope. (Set to 0.5v Pk-Pk X-Y).

Purpose.

To finish setting and / or test the scale position.

Tolerance.

Minimum 1.6 Vp-p

Method.

1. Connect the channel 1 probe of the oscilloscope to the S (SIN) and the G (GROUND) terminals of the BD15 detector card.
2. Connect the channel 2 probe of the oscilloscope to the C (COS.) and the G (GROUND) terminals of the BD15 detector card.
3. With the laser head in the middle of the scale, adjust the laser head until a reading of 1.6V or more is obtained. (A reading of 2V to 2.5V is recommended).
4. Recheck the feed back amplitude, at each end of the slide travel, and make adjustments to the scale as necessary.

Method. (Sony scale compensation).

1. Record the compensation number for each scale.
2. Exit to DOS, and change to the **comp** directory. (CD\COMP)
3. Start the compensation program by typing SCALECMP and press the ENTER key.
4. Enter the compensation number from above, and record the result.
5. Start the PMAC Executive program, and edit the machine ID file for the new numbers.
6. Save the machine ID file to disk, and download to the PMAC.