

INSTRUCTIONS FOR USE OF THE AGC-VC DRIVER WITH A RESONANT SCANNER

07-100838-3

1. Carefully remove the scanner from the plastic box.
2. Mount the scanner onto a solid mount.
3. Connect the scanner to the **OUTPUT** connector, matching serial numbers.
4. Connect the driver to line power.
5. Connect the **VC** voltage control input to an adjustable DC voltage (0-5V) input signal.
 - a. The white wire is a Voltage Control input.
 - b. The black wire is ground.
6. Turn on the **POWER** switch.
7. The scanner will oscillate at the resonant frequency of the scanner. Scan amplitude can be adjusted by changing the **VC** voltage control input. Scan amplitude limit can be adjusted using the **AMPL.** trim pot.
8. The resonant frequency and position can be obtained by using the **MONITOR** outputs (green, black, and white wires).
 - a. The green wire is a sine wave output that can be used as a position output.
 - b. The black wire is ground.
 - c. The white wire is a TTL level square wave output that can be used as a trigger output.
9. Turning the **PHASE** trim pot will shift the phase relationship of the **MONITOR** output to the mirror position (factory adjusted to be in phase).

