

AVTECH ELECTROSYSTEMS LTD.

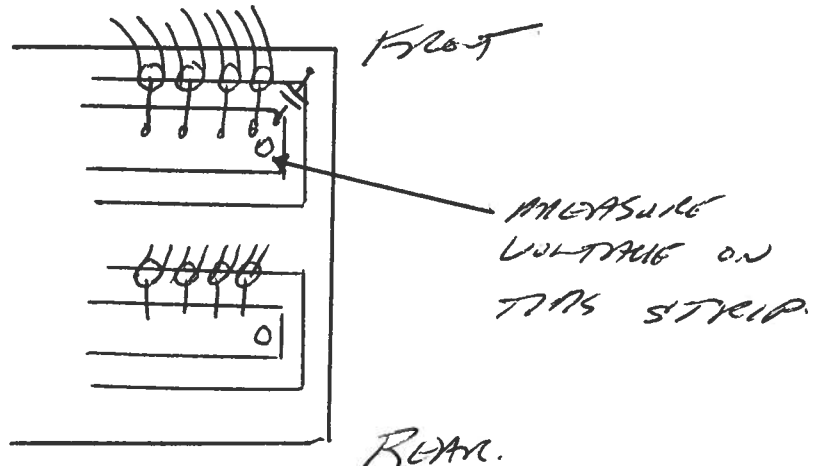
NANOSECOND WAVEFORM ELECTRONICS
ENGINEERING - MANUFACTURING

P.O. BOX 265
OGDENSBURG
NEW YORK
13669
(315) 472-5270

BOX 5120, STN. "F"
OTTAWA, ONTARIO
CANADA K2C 3H4
TEL: (613) 226-5772
FAX: (613) 226-2802
TELEX: 053-4591

AVL-2-PS Repair Procedure

- 1) Remove 4 Phillips screws on back panel. Top lid may then be slid off.
- 2) With unit untriggered, measure voltage between ground and case of SL3 (either SL3). If unit is defective, this voltage will probably be much less than 375 volts (typically 170 volts or even 20 volts).
- 3) If case voltage is much less than 375 volts, turn off power, briefly ground case (to discharge) and then remove front SL3 (by removing two 2-56 screws). Turn power on and measure case voltage on rear SL3. If voltage is near 375 volts then front SL3 was defective and should be replaced.
- 4) If case voltage on rear SL3 is still low, turn off power, briefly ground rear case and remove rear SL3. Turn power on and measure voltage at following point:



- 5) If voltage is high then rear SL3 was defective and should be replaced. If voltage is still low then PG module is defective and instrument should be returned to Avtech for repair.