

## VP-58: HV LINEARITY CHECK (pg 1 of 2)



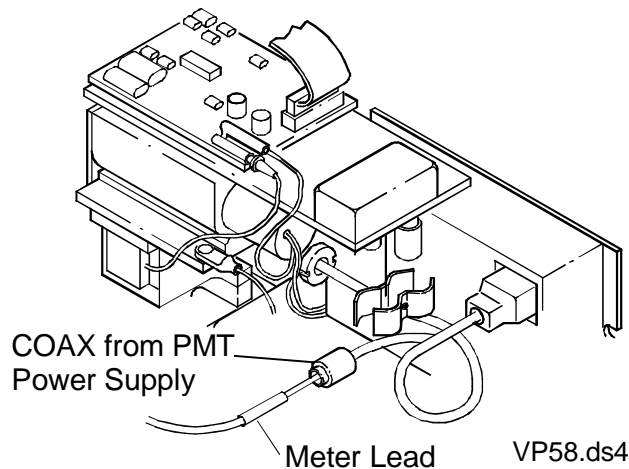
Time: 15 minutes



Purpose: To verify linearity of the PMT HV Power Supply

1. Enter MEIA Optics hand controls:
  - MONITOR
  - HND\_CTRL
  - OPTICS
2. Set HV to 0:
  - SET HV
  - 0
  - STORE

3. Disconnect PMT Power Supply Cable.



## VP-58: HV Linearity Check (pg 2 of 2)

4. Measure DC HV at PMT Power Supply Coax Cable.
5. Repeat steps 2 and 3 for 300V, 600V and 900V.
6. Verify that HV is within specification:

<u>HV SET</u>	<u>HV MEASURED</u>
0	0 VDC + 10 VDC
300	300 VDC $\pm$ 10 VDC
600	600 VDC $\pm$ 10 VDC
900	900 VDC $\pm$ 10 VDC

7. Set the voltage back to 0 VDC.
8. Reconnect the PMT Power Supply Cable to the Optics.