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



Time: 15 minutes

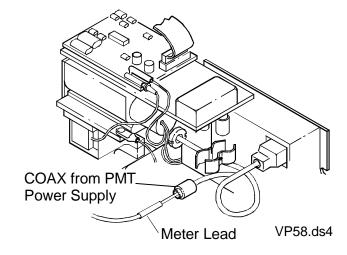


Purpose: To verify linearity of the

PMT HV Power Supply

- 1. Enter MEIA Optics hand controls:
 - MONITOR
 - HND_CTRL
 - OPTICS
- 2. Set HV to 0:
 - SET HV
 - **–** C
 - STORE

3. Disconnect PMT Power Supply Cable.



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

<u>HV SET</u>	HV MEASURED	
0	0 VDC + 10 VDC	
300	300 VDC ± 10 VDC	
600	600 VDC ± 10 VDC	
900	900 VDC ± 10 VDC	

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

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