1A6 Calibration Outline

Presets

V/CM	50mv
Var.	Calib.
Var. Bal.	Midrange
Position	Midrange
Inputs	Ground

1. Heater Bal (R110) — Min trace shift as Var is rotated. V/CM to 10mv & Repeat.

2. Step Atten Bal (R155-255 Front Panel) — No trace shift 50mv to 1mv.

3. Var. Bal. (Front Panel) — No trace shift as Var. is rotated at 1mv/cm.

NOTE : Steps 2 & 3 interact, repeat.

4. Micro & Drift — 1mv max.

5. Grid Current Zero (R101, R201) — +input : R101 50 termination
-input : R201 on input.
1cm max shift.

6. Gain (R173) — 50mv/cm adj on front panel.
1mv/cm adj R173.

7. Attenuators — 1mv-50mv/cm : ±1.5%
.1v-50v/cm : ±2.5%

8. Check input caps & switch.

9. Diff Bal. (R30E, R32E, R34E) — Use 100v Cal signal to both inputs
.1v/cm : R30E
1v/cm : R32E
10v/cm : R34E

10. Input Compensations & Cross Neutralization — 50mv/cm, 33pf.

+ Input	- Input	Best Response	Min. Change
DC	Grnd	C103	-
Grnd	DC	C203	-
Gnd to DC	DC	-	C212
DC	Gnd to DC	-	C112

11. Attenuator Compensations — 33pf & 1kc from 106.

+ Input	- Input	V/CM	Best Response
Grnd	DC	.1v	C30B & C30C
DC	Grnd	.1v	C20B & C20C
DC	Grnd	1v	C22B & C22C
Grnd	DC	1v	C32B & C32B
Grnd	DC	10v	C34B & C34C
DC	Grnd	10v	C24B & C24C

1A6 Calibration Outline (cont.)

12. HF Diff Bal (R139, C136, C140)	30v p-p 1KC sinewave to both inputs & Ext. Horiz. Adj horiz for 10cm of deflection. 1mv/cm : R139 for min tilt. 1mv/cm : C136 & C140 for min tilt using 100kc sinewave.
13. Check AC Coupled CMRR at 60cps.	10mv/cm, 30v p-p sinewave. Max deflection 1.5cm.
14. Band Pass	2mc.
15. Check Input Overload Protector	50mv/cm - Cal signal to both inputs. Indictor light comes on at 50v & extinguishs with less than 20v. Same for single input.