3S3 Calibration Outline

Presets

Position	Midrange
mv/cm	100
Norm-Invert	Normal
Smoothing	cw
Noise-Risetime	Fast RT

Terminate the Probes in 50 ohms

1. Vertical Centering (R611) — Push trace finder halfway in & center trace with R611.

2. Smoothing Balance (R235) (In earlier instruments R335) — Adj DC Offset for 12v at wiper of offset pot. Adj R235 for no shift as smoothing is rotated.

Presets

Smoothing	cw
Noise-Risetime	Low Noise

3. Risetime Bal (R175, R235) — No shift from Low Noise to Fast RT.

4. Bridge Bal (R185, R245) — No trace shift from Low Noise to Fast RT at 20mv/cm.

Repeat step 3 at 20mv/cm & then repeat step 4.

5. Inverter Zero (R441) — In instruments without this adj use Risetime Bal instead. There is some interaction when this is done so repeat steps 3 & 4.

* 6. Snap-Off Current (R205) — Set for t_r=350ps. on ch B.

* 7. Memory Gate Width (R215) — If more than one peak use the one nearest the ccw end of rotation of pot.

* 8. Loop Gain (C387) (Early instru. R313) — Set for Proper DTR.

* 9. "A" Bridge Volts (R169) — Set for t_r=350ps. Recheck Loop Gain for ch A.

* Interacts- Recheck steps 2 thru 5.

10. Digital Gain (R354, R414) — Should be set with a 6R1.

11. Vertical Gain (Front Panel) — Set at 200mv/cm with smoothing set for unity Gain.

12. Attenuators ±3% — Smoothing must be set for unity gain.

383 Calibration Outline (cont.)

13. Noise	1.5 to 2mv using 80% of dots. Unsmoothed & Fast RT.
14. Memory Slash	At 200mv/cm 2mm max at 50cps.
15. Scaling Drift	10mv or less from 50cps to 100kc.