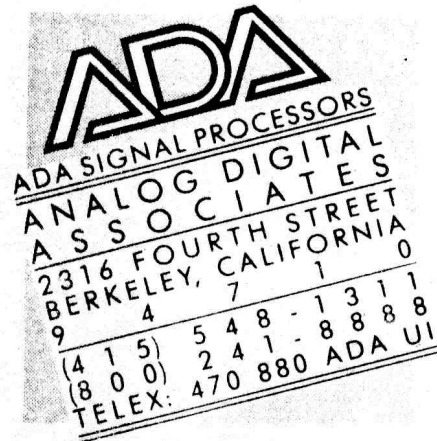


D1280 Digital Delay
Calibration Procedure



POWER SUPPLY

1. Check power supply voltages at the following test points:

TP 13: GND TP 11: 15v. TP 10: -15v. TP 12: 5v.

All voltages should be within 4%.

2. Check IN-OUT and REPEAT HOLD buttons to see if LEDs light.

CALIBRATE CLOCK

3. Turn off modulation/ turn DEPTH CCW, turn DELAY MULTIPLIER CCW with 1.25 ms button depressed. Monitor TP15 with counter.
---Trim T4 for 405 kHz.
---Turn DELAY MULTIPLIER x .10
---Trim T5 for 2.02 mHz.

SIGNAL PATH CHECK

4. Inject 1 kHz sine wave at 1-10 volts p-p into jack KA (J1 on assembled units). Monitor TP 2. Adjust INPUT LEVEL CONTROL for 10 volts p-p at that point. Depress 5 ms delay button. TP9 should be approx. 8 volts.
5. Monitor TP5: swing DELAY MULTIPLIER control, which should add some distortion to and cause a phase shift in the sine wave. (Use external trigger on scope to observe.)

CALIBRATE OFFSET

6. Remove signal from K5 (J1) and short the input with a shorting plug. Turn DELAY MULTIPLIER, REGENERATION, and MODULATION controls CCW. Using (preferably) an analog meter,
---Trim T2 for 8 mv. offset @ TP6.
---Trim T1 for 7.5 mv. offset @ TP 7.

REGENERATION SET

7. Set REGENERATION fully CW, HIGH CUT CCW, trimmer T3 CW. Remove signal @ K5; adjust T3 until oscillation just disappears.

