

**PC-Based DSO Adaptor Mk2** (May-July 1994): David Jones, of Tronnort Technology has suggested the following modifications, to improve performance of this project.

1. If triggering is unstable in START mode, try adding a bypass capacitor of 100 - 220pF across R28.

2. For improved triggering stability in both START and STOP modes, replace switch S6 with a DPDT type and wire one pole as shown in the original schematic. Then remove the under-board link between pin 15 of J2 wire and pin 8 of U9b, and connect it instead between pin 15 of J2 and the second pole of S6. Now wire pin 8 of U9b to the STOP side of S6b, and connect pin 1 of U10a to the START side of S6b.

3. To eliminate any nonlinearity near full scale vertical deflection, replace R35 with a wire link. This prevents R35 from disturbing the gain of U8b, at higher output levels.

4. To prevent erratic address incrementing by the computer, especially in STOP mode, bypass pin 13 of U10d to ground with a 47pF capacitor.

David Jones has also produced a new version of his DSOA software, Version 3.3a. From V3.2 an upgrade costs \$10, or from earlier versions \$15 — including packing and postage. Send orders to Tronnort Technology, 12 Copeland Road, Lethbridge Park 2770.