

M717

Display Control VP15

The M717 module contains the timing and control circuits required by the VP15 point-plotting display. Since any one of three scopes can be used in the VP15 display, the M717 module incorporates the necessary control circuits for all three scopes. The scopes that can be used are the Tektronix RM503, the DEC VR12, and the Tektronix 611 storage tube in both the store and nonstore modes. A simple patching arrangement selects the required control circuits for a specific scope. The timing circuits on the module provide the necessary deflection settling time delays and intensification pulses for all scopes. Light pen circuitry is provided for use with the RM503 and the VR12. A display-done flag circuit and an erase control circuit are included for the 611. In addition, a two-bit brightness register is provided for controlling brightness on the RM503 and the VR12.

The power dissipation characteristics of the M717 module are:

- 10V at 10 mA
- 15V at 10 mA
- 5V at 130 mA
- 30V at 20 mA