

sweeping action and vertical deflection action. The trigger ensures that the sweep begins at the same point of a repeating signal; so that we can get a clear picture. It stabilizes a repeating signal.

## **PROCEDURE**

### **Turn on and display functions**

Turn on the power switch below the CRT screen. Turn the intensity knob clockwise until a horizontal line appears on the screen. Adjust the focus knob until the line is sharply in focus. Slow down the sweep speed by turning the SEC/DIV knob counter-clockwise. Turn the POSITION knob for CH 1 and observe the position of the beam. Slide the VERTICAL MODE switch to both to monitor two signals.

### **Observe Peak-to-Peak Voltage Measurements**

Connect one end of the BNC to BNC cable to the input of CH 1. Connect the other end to the  $50\Omega$  output of the function generator. Set the function generator for sine wave output. Set the AMPLITUDE and OFFSET knobs on the function generator to their mid-range position. Select a frequency of 1000Hz. Adjust the VOLTS/DIV setting on CH 1 until the waveform fills as much screen as possible. Count the number of divisions from the bottom of the waveform to the peak to the 1/10 division. To obtain the peak-to-peak voltage, multiply the number of divisions by the VOLTS/DIV at the 1X marker for CH 1.