

Sweep Magnification

The sweep magnifier expands the sweep up to a maximum of 50 times. The center part of the unmagnified display is the portion visible on the screen in magnified form. Equivalent length of the magnified sweep is ten divisions multiplied by the amount of magnification (500 divisions at 50 times magnification); any 10-division portion can be viewed by adjusting the horizontal POSITION control to bring the desired portion onto the viewing area. The dual-range feature of the horizontal POSITION control (see Horizontal Position Control discussion which follows) is particularly useful when the magnifier is on.

To use the magnified sweep, first position the portion of the unmagnified display to be expanded to the center of the graticule. Push in on the TIME/DIV knob and turn clockwise until the desired amount of magnification is achieved (up to a maximum of 50 times). The equivalent time/division is indicated directly by the TIME/DIV knob and is a calibrated sweep rate when the VAR control is in its calibrated detent.