Settings/procedure/requirements:

A Apply a 50 MHz sine wave signal of 100 mV peak-to-peak to channel A. Use a 50Ω termination.

B Switch on the ScopeMeter and press the SCOPE key to get into SCOPE mode. Now press the AUTO SET key. Check that the display is stable and well triggered. Minimal 2 and maximal 20 signal periods must be displayed, over 8 divisions. The signal amplitude must be approximately 5 divisions. The NOTRIG indication on the display must not flash.

C Repeat settings/procedure for channel B.

2. Vertical dynamic range and position range (move control)

*** All models ***

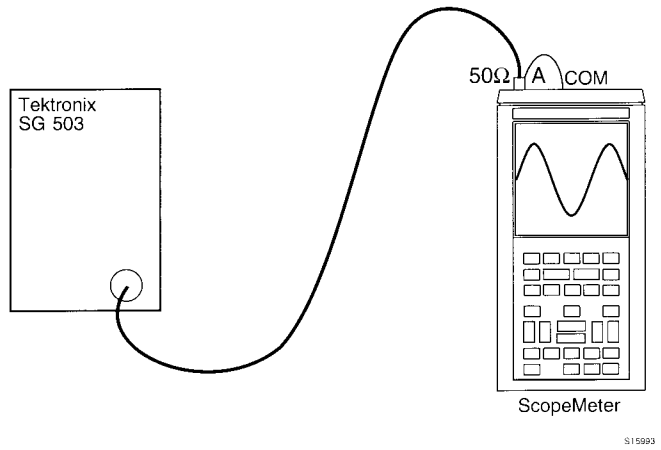
This test checks the vertical dynamic range, together with the position range (move control). A certain overdrive of the ScopeMeter must be allowed.

Test equipment:

Tektronix SG 503 Constant Amplitude Sine wave Generator

Test setup:

Connect the banana jack COM to the BNC common



Settings/procedure/requirements for channel A:

Vertical dynamic range check:

A Switch on the ScopeMeter and press the SCOPE key to get into SCOPE mode.

B Apply a 50 kHz sine wave signal of 950 mV peak-to-peak to channel A. Use a 50Ω termination.

C Press the AUTO SET key. Set channel A to 100 mV/div. and set the timebase speed to 10µs/div.

D Use the vertical MOVE key to shift the bottom of the sine wave vertically over the screen in the lower division. Shift the top of the sine wave in the upper division. Verify that the top and bottom of the sine wave signal of 9.5 divisions can be displayed distortion free.

E Apply a 50 MHz sine wave signal of approximately 500 mV peak- to-peak (4 divisions on the screen) to channel A. Use a 50Ω termination.

F Set the timebase speed to 10 ns/div.

G Now a sine wave with an amplitude of 4 divisions must be displayed distortion free.

Move control check:

A Adjust the signal amplitude to 8 divisions on the screen.

B Check that the trace can be moved over 4 divisions up (+ 4 div.) and over 4 divisions down (- 4 div.).

Settings/procedure/requirements for channel B:

Repeat the total procedure for channel A.