

3. Trigger level control range channel A and B

*** All models ***

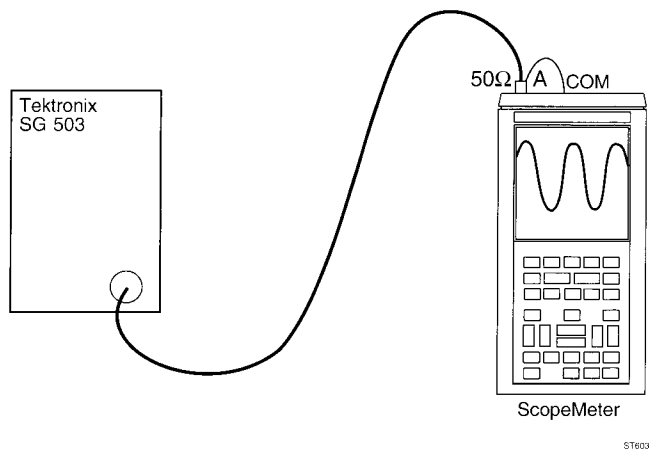
This test checks the trigger level control range.

Test equipment:

Tektronix SG 503 Constant Amplitude Sine wave Generator

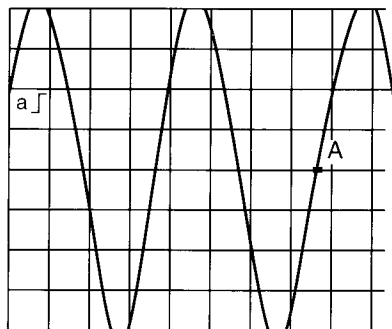
Test setup:

Connect the banana jack COM to the BNC common



Settings/procedure/requirements:

- A Apply a 500 kHz sine wave with an amplitude of 950 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.
- C Verify that the signal is well triggered.
- D Set channel A to 100 mV/div.
- E Press the TRIGGER key. Use the select/adjust keys to verify that the trigger level range is more than 8 divisions (4 divisions up and 4 divisions down). The selected trigger level is shown on the display (reversed indication "◊ LEVEL"). Also the trigger level indication, marked with an A \lrcorner will shift, while shifting the trigger level. See figure 4.9.
- F Repeat the same procedure for channel B.



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Figure 4.9 Trigger level indication on screen