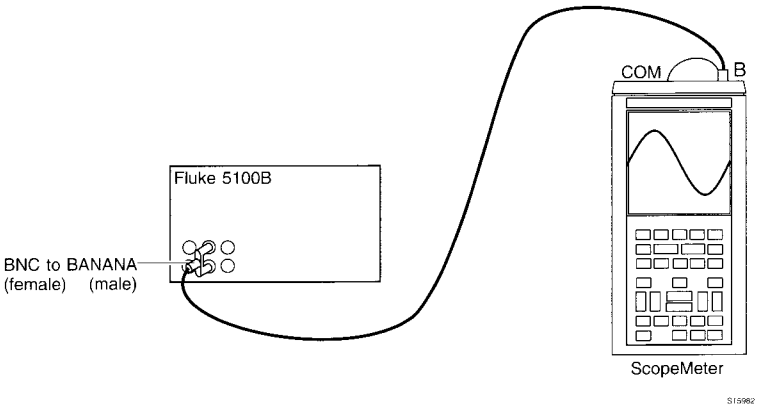
Test setup:

Connect the banana jack COM to the BNC common



Procedure/requirements for channel B AC and DC tests:

A Apply 300 mV DC to channel B.

B Change the input voltage and the setting of channel B according to table 4.2 and check that the amplitude of the signal agrees with the value listed. Use the select/adjust keys to select each step number.

NOTE: The AC voltages listed in this are peak-to-peak voltages (sine wave). The values listed between brackets () are the RMS values that have to be chosen on the Fluke 5100B calibrator.

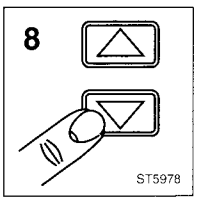
Requirements:

Table 4.2 Requirements vertical deflection coefficients for channel B

Input voltage	Step number on display	Requirements
300 mV DC	"5"	2.94...3.06 div.
600 mV AC pp (212.13mV RMS), 1 kHz	"5"	5.88...6.12 div.
3V DC	"6"	2.94...3.06 div.
6V AC pp (2.1213V RMS), 1 kHz	"6"	5.88...6.12 div.
30V DC	"7"	2.94...3.06 div.
60V AC (21.213 V RMS), 1 kHz	"7"	5.88...6.12 div.

The ScopeMeter uses the same input circuitry (hardware) for the SCOPE and the METER modes (in the above attenuator settings). When the voltage accuracy is checked (see the description "METER Performance Verification Procedure" step 1), the deflection coefficients for SCOPE channel A are also tested.

8/9. Rise time



The rise time of the ScopeMeter is checked by means of a fast rise time pulse. First channel B is measured.

Test equipment:

Tektronix PG 506 Square Wave Calibration Generator