8. Cursor measurements: voltage accuracy

*** Models 95/97 only! ***

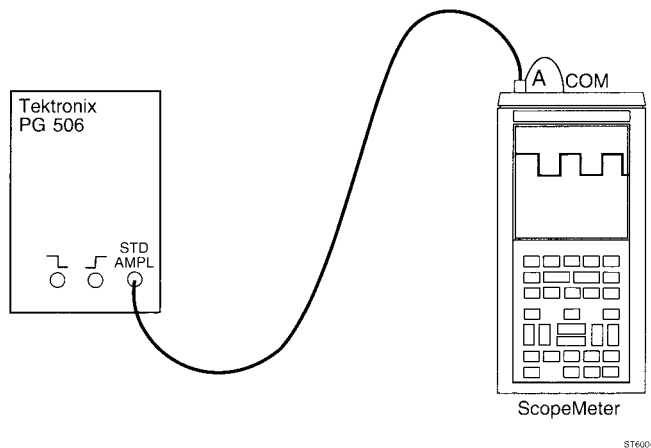This test checks the accuracy of the cursors while measuring voltage.

Test equipment:
Tektronix PG 506 Square Wave Calibration Generator

Test setup:
Connect the banana jack COM to the BNC common

ScopeMeter

ST6004

Settings/procedure:
A   Apply a 1 kHz square wave voltage of 1V peak-to-peak to channel A. Use the "STD AMPL" output of the PG 506.
B   Switch on the ScopeMeter and press the SCOPE key to get into SCOPE mode. Now press the AUTO SET key.
C   Set channel A to 200 mV/div and to AC coupling.
D   Press the HOLD/RUN key to freeze the display
E   Press the CURSOR DATA key to get into the cursor menu.
F   Press the CURSOR softkey to activate the cursor lines.
G   Position the first cursor in the horizontal middle of the top of the waveform. Use the <CURSOR -1-> key to position cursor 1.
H   Position the second cursor in the horizontal mid of the bottom of the waveform. Use the <CURSOR -2-> key to position cursor 2.
I   Use the most right softkey to select NORMAL readout.

Requirements:

The measured voltage between the cursors is displayed at the right side next to the traces. This value must be 0.98V...1.02V.

9. SETUP memory functions

*** Model 97 only! ***

ScopeMeter model 97 enables storing up to 10 front settings that will be kept in a memory with a battery backup.
This test checks this function.

Test equipment:
none