7. Cursor measurements: time accuracy

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

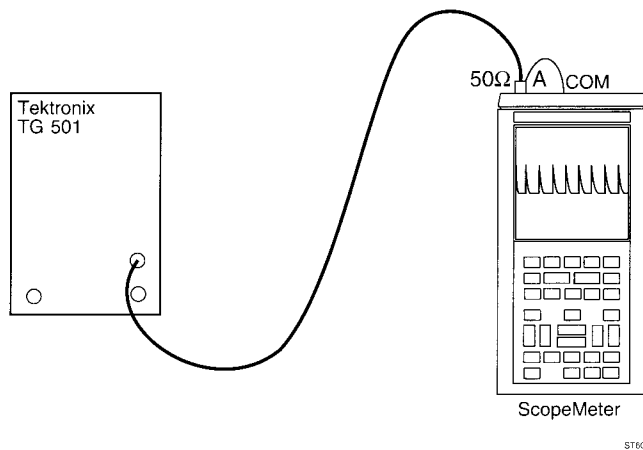This test checks the accuracy of the cursors while measuring time.

Test equipment:
Tektronix TG 501 Time Mark Generator

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

Setting/procedure:
A   Apply a 1 ms time marker signal 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   Set the timebase to 1 ms/div.
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 turn on the cursor lines.
G   Position the cursor lines with the <CURSOR -1-> and <CURSOR 2-> keys, so that they cover a distance of 6 time marker intervals. Position the markers exactly to the top of the marker pulses. See figure 4.11.

Requirements:
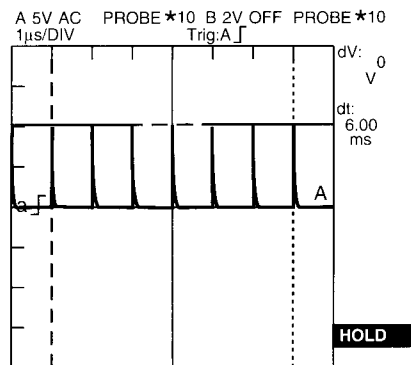The measured time distance between the cursors is displayed at the right side next to the traces. This value must be 5.99...6.01 ms.

Figure 4.11   Cursor lines on marker pulses