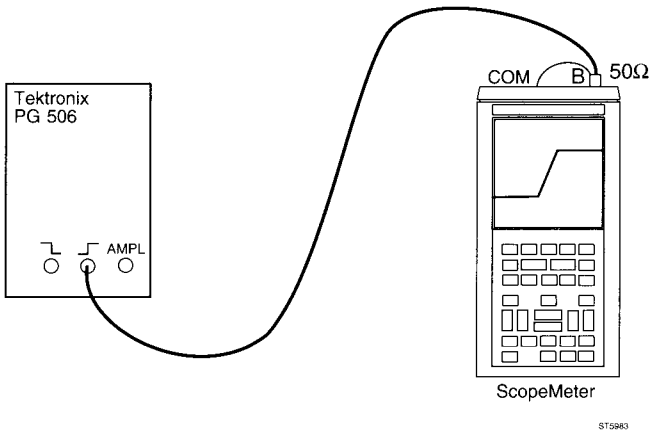
Test setup channel B rise time measurement:

Connect the banana jack COM to the BNC common



Procedure for channel B rise time measurement:

A Apply a fast rise time pulse, repetition frequency 1 MHz, amplitude 0.5V to channel B. Use a 50Ω termination. Set the generator in position "FAST RISE".

B Adjust the pulse amplitude to exactly 5 divisions. See figure 4.4.

Requirements:

NOTE:

$$t_r(measured) = \sqrt{(t_r(inputsignal)^2 + t_r(ScopeMeter)^2)}$$

C Check the rise time, measured between 10% and 90% of the pulse amplitude. See figure 4.4. The rise time t_r (measured) must be 7 ns (0.7 div) or less.

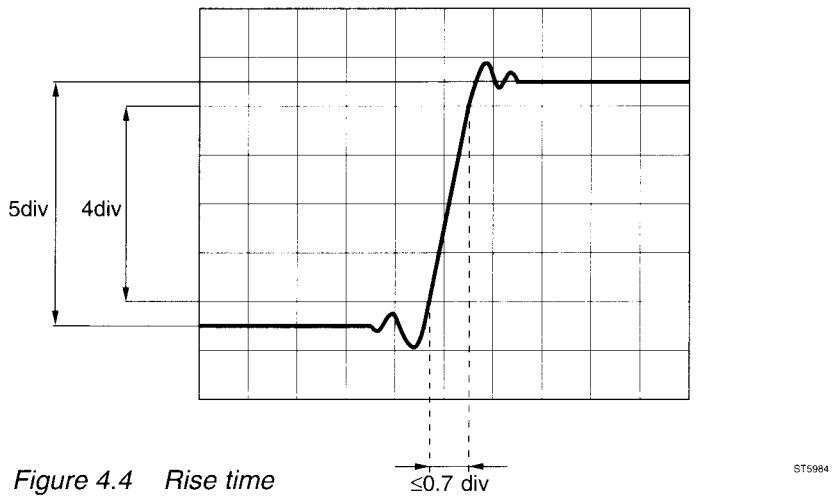
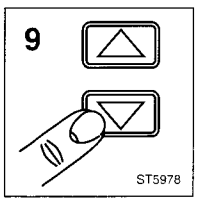


Figure 4.4 Rise time



Test setup channel A rise time measurement:

Refer to the test set-up for channel B measurement. Connect the pulse generator to the channel A BNC input connector.