



User's Manual FTD10000

7 GHz FAST TRANSIENT DIGITIZER



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1. GENERAL INFORMATION

The FTD10000 is a 7 GHz, Ethernet programmable oscilloscope. Scan conversion and microchannel plate technology are used to capture single, high speed events. The captured waveform can be automatically viewed on the front panel option.

1.1. Description

The FTD10000 is designed specifically to record single shot phenomena.

It uses a scan converter method to capture very fast signal with a very good accuracy.

The instrument has a bandwidth of 7 GHz, and 50 ps rise time, with slow roll-off giving it a very good impulse response.

The maximum sampling frequency is 1000 GS/s which allow a resolution of 1 ps per sample.

The input signal can accept a maximum input voltage of 2000 V, 1 μ s duration without overload.

All FTD10000 functions except power AC on/off can be controlled via an Ethernet interface (10/100 Mb/s).

Instrument options:

- Option 1: front panel DISPLAY: the optional front panel uses a 8.4" LCD display, keypad and parameter thumb wheel for local waveform viewing and instrument control,
- Option 2: this option provides a fiducial input

Technical support

For question or comments about operating the FTD10000, send an email to technique@greenfieldtechnology.com.

Package contents

The box you receive should contain the following:

- FTD10000,
- User's manual,
- CD contains pdf user manual, driver and FTD10000 application software,
- Power cord.