



# GFT7002

## 300 ps Step generator

### Features

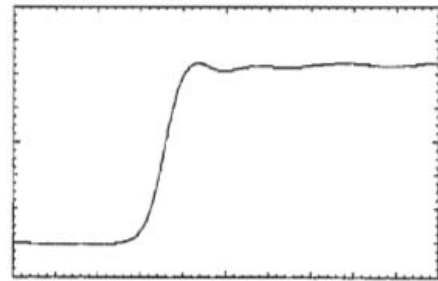
- Output pulse
  - 300ps Rise time
  - 10V/50Ω Amplitude
  - 100 ns step duration
- Adjustable delay from trigger
- 10V/50Ω Trigger Output
- Controlled via Front panel, Ethernet or Web page



Model GFT7002 : 300 ps Step Generator

### Applications

- R/D involving pulsed lasers
- Semiconductor device testing
- Characterizing the step responses of coaxial cable



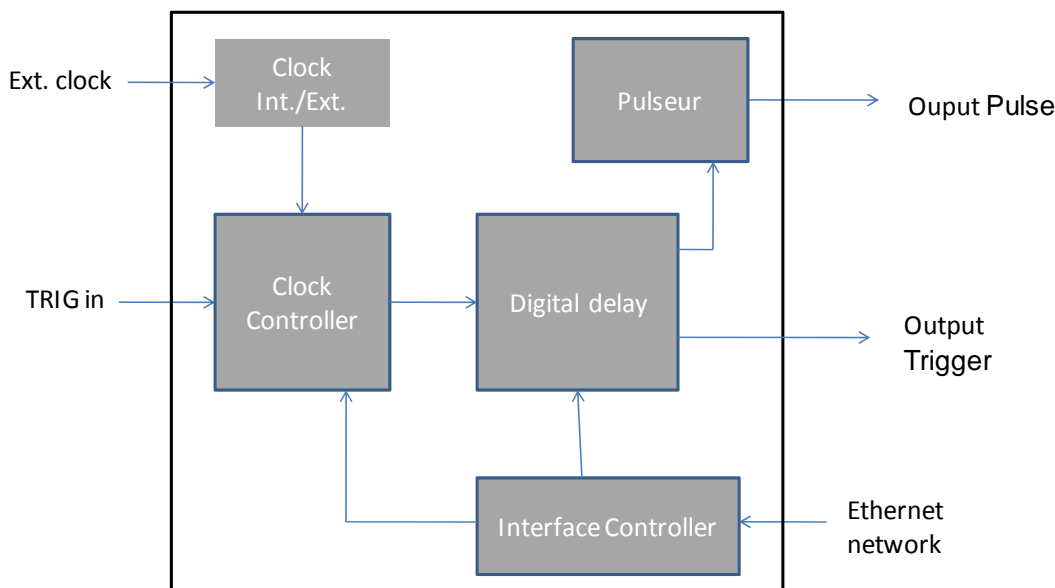
300ps step pulse at 2V/div and 500ps/div

### Description

The GFT7002 is fast leading edge with a long flat Topline step generator. This generator is well suited for characterizing the step responses of long coaxial cable. An output trigger allows the user to trigs it digital scope for recording the response of the cable. Settings are controlled via front panel or Ethernet network. A power full control panel Web page, from embedded server, provides a simple method to configure settings, and control the state of the instrument.



# GFT7002 300 ps Step generator



*Block diagram of the generator*

## Specifications

### Output pulse

Shape	Rectangular
Amplitude	10V / 50Ω
Jitter rms	< 20 ps
Rise time	300 ps
Step duration	> 100 ns
Flatness	± 2 %

### Output Trigger

Amplitude	10 V
Width	100 ns
Rise time	2 ns

### Input Trigger

Range	5 V
Trigger level	1.5 V

### Delay

Channel number	2
Range	1 second
Resolution	7 ns

### System control

All Settings can be Controlled via	Front panel, or Ethernet or Web page
------------------------------------	--

### Utility

Power Voltage	110 / 220 V
Power consumption	20 W
Operating temperature	+20 to 30°C
Operating humidity	< 70%

### Inputs / Outputs interface

Output pulse	SMA
Trigger input	BNC
Trigger output	BNC
Ethernet port	RJ-45
Power supply	

### Dimension / Weight

H	2 U
W	19 "
L	300 mm
Weight	< 10 Kg

June 2011