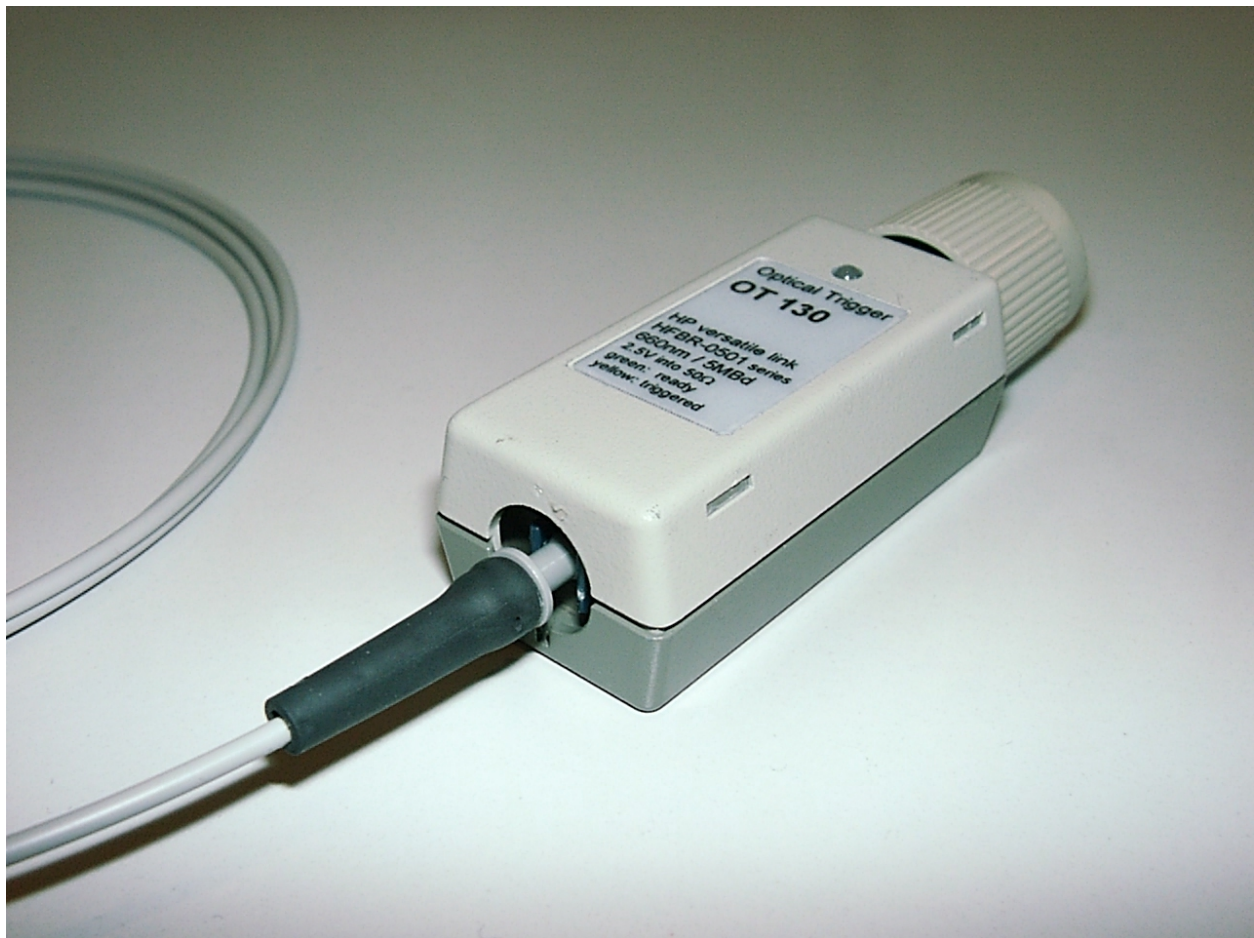


# Optical Trigger for Tektronix BNC Interface

## OT-130



Type:	optical trigger for Tektronix
Receiver:	HP HFBR-2521, 5Mbaud
Version:	1.33
date:	03.12.2003

## Description:

Oscilloscope powered receiver for fiber optical pulses or patterns.

## Output signal:

5V into 1M $\Omega$ , positive logic, light = high, rise-/fall time 1,2 nsec typ  
2,5V into 50 $\Omega$ , positive logic, light = high, rise-/fall time 800psec typ

## Status LED:

green light  $\Rightarrow$  unit funktional, waiting for trigger  
yellow light (flashing)  $\Rightarrow$  light pulse detected  
no light  $\Rightarrow$  not proper connected or power down

A yellow flashing LED indicator visualizes even very small light pulses of a few nsec length.

All optical pulses received are schmitt trigger shaped and directly transferred to BNC output.

All pulses are additionally extended to a few milliseconds to make them visible at the indicator LED. This is useful for manually detecting „trigger is present“ when setting up an oscilloscope for single pulse trigger.

A permanent light input or a sequence of pulses with pulse distance less than a few msec will result in a permanent yellow illuminated LED indicator.

## Specification of Receiver in Version 1.30:

Hewlett Packard versatile link HFBR-2521 receiver, HFBR-0501 series, see Agilent web for detailed data.

short info:

5MBaud , designed for 1 mm diameter plastic cable, 660 nm red light

## **Other optical receivers on request**

