

TD104

TD104 Four-Channel Pulse Delay Generator

Four independently controlled pulse outputs synchronise optical experiments. Touchscreen, buttons and a rotary control provide local setup, with USB and Ethernet for remote control.

Best suited to: Timing lasers, gated detectors and repeatable transient measurements.



Configuration

Check the required output pulse width, repetition rate and input threshold. A 10 ps adjustment step describes the setting resolution; it does not mean 10 ps absolute timing accuracy.

Specifications

Published parameters	
Independent outputs	4
Delay range	0–10 s
Delay / width step	10 ps
Typical jitter	<35 ps RMS; <50 ps maximum
Insertion delay	Approximately 40 ns
Output repetition	Up to 16 MHz
External input in divider mode	Up to 125 MHz
Pulse output	2.5–5 V at 50 Ω ; width 4 ns–10 s
Control	USB 2.0 / Ethernet

Measurement features

- Continuous, divider and burst modes.
- Save and recall experiment settings.
- Rising- or falling-edge external triggering.

Configuration note

The 125 MHz figure applies to divided external input. Output repetition remains limited to 16 MHz.

Full configuration: www.precisometer.com/spectroscopy/spectral-imaging/td104