

TEKTRONIX

TDS794D

The Tektronix TDS794D is a 2 GHz, 4-channel Digital Phosphor Oscilloscope (DPO) designed for advanced electronic design, debugging, and characterization. Featuring a real-time sample rate of up to 4 GS/s and Tektronix's proprietary three-dimensional signal acquisition (DPO) technology, it delivers deep insights into complex waveforms, transient events, and jitter by displaying signal amplitude, time, and distribution of amplitude over time.

SPECIFICATIONS

General

Warm-up Time	20 minutes
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Vertical System

Analog Bandwidth (-3 dB)	2 GHz
Number of Channels	4

Horizontal System

Timebase Range	50 ps/div to 10 s/div
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Acquisition System

Max Real-time Sample Rate (Single Channel)	4 GS/s
Max Real-time Sample Rate (Two Channels)	2 GS/s
Max Real-time Sample Rate (Four Channels)	1 GS/s
Maximum Record Length (Standard)	50,000 points

Trigger System

Trigger Sources	Ch 1, Ch 2, Ch 3, Ch 4, AC Line, Auxiliary
Trigger Modes	Auto, Normal, Single Sequence
Edge Triggering	Yes
Pulse Width Triggering	Yes
Runt Triggering	Yes
Glitch/Transition Triggering	Yes
Pattern/State Logic Triggering	Yes
Setup/Hold Violation Triggering	Yes
Internal Trigger Level Range	±12 divisions from center of screen

Connectivity and I/O Interfaces

Removable Storage Media Type	3.5-inch 1.44 MB Floppy Drive
Probe Interface	TekProbe Level II Interface

TECHNOLOGY

Digital Phosphor Oscilloscope (DPO)

APPLICATIONS

Advanced electronic design, high-speed digital design debugging, and communication signal analysis

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.