

TEKTRONIX

TDS7104

The Tektronix TDS7104 is a high-performance 1 GHz, 4-channel Digital Phosphor Oscilloscope (DPO). Built on the OpenChoice platform running Windows 2000, it features DPX acquisition technology and delivers exceptional waveform capture rates and timing accuracy for critical measurements.

SPECIFICATIONS

Physical

Power Supply	100 to 240 V $\pm$ 10%, 50/60 Hz; 115 V $\pm$ 10%, 400 Hz; < 600 W
Operating Temperature	+5 °C to +50 °C °C
Dimensions (W×H×D)	455 × 277 × 425 mm
Weight	17.6 kg

Vertical System Analog Channels

Bandwidth	1 GHz
Input Channels	4
Probe Interface	TekProbe BNC

Acquisition System

Maximum Sample Rate	10 GS/s
Maximum Waveform Capture Rate	> 400,000 wfms/s
Acquisition Technology	DPX™
Sample Rate (1 or 2 channels)	10 GS/s
Sample Rate (3 or 4 channels)	5 GS/s
Acquisition Modes	Sample, Peak Detect, HiRes, Average, Envelope, Waveform Database

Display System

Display Type	Touch-sensitive
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Vertical System

Vertical Resolution	8 bits (up to 11 bits with HiRes)
Input Coupling	AC, DC, GND
Hardware Bandwidth Limits	250 MHz or 20 MHz

Triggering

Trigger Types	Edge, Glitch, Runt, Window, Transition Time, Timeout, Pattern, State, Setup/Hold
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Environmental

Non-operating Temperature	-22 °C to +60 °C
Operating Humidity	20% to 90% RH below 30 °C; 20% to 80% RH from 30 °C to 50 °C
Operating Altitude	Up to 3,000 m (9,843 ft)
Non-operating Altitude	Up to 12,000 m (39,370 ft)

Horizontal System

Timebase Accuracy	±2.5 ppm over any ≥1 ms interval
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Compliance

Safety Certification	UL3111-1, CSA1010.1, EN61010-1, IEC61010-1
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TECHNOLOGY

Digital Phosphor (DPO/DPX)

APPLICATIONS

Test and Measurement

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