

TEKTRONIX

TDS380

The Tektronix TDS380 is a 400 MHz, 2 GS/s Digital Real-Time oscilloscope featuring two input channels. Designed for fast and accurate signal capture, it provides a 1K record length, 10 ns peak detect for high-speed glitch capture, built-in FFT analysis, and 21 automatic measurements, along with a standard 3.5-inch floppy disk drive for waveform and setup storage.

SPECIFICATIONS

General

Interfaces	GPIB, RS-232-C, Parallel Printer, VGA Monitor Output (Option 14 dependent)
Display	7-inch monochrome CRT

Vertical System

Analog Bandwidth	400 MHz
Number of Channels	2
Input Sensitivity Range	2 mV/div to 10 V/div
DC Gain Accuracy	±2%
Vertical Resolution	8 bits
Input Coupling	AC, DC, GND
Bandwidth Limit	20 MHz

Acquisition System

Maximum Real-Time Sample Rate	2 GS/s
Maximum Record Length	1 K points

Measurements and Math

Automatic Measurements	21 measurements
Math Functions	FFT Analysis

Data Storage

Removable Storage	Built-In 3.5 in. Floppy Disk Drive
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Horizontal System

Time Base Range	1 ns/div to 5 s/div
Time Base Accuracy	±0.01%

Triggering

Trigger Types	Edge, Video
Trigger Coupling	DC, AC, HF Rej, LF Rej, Noise Rej

Measurements

Cursor Measurements	$\Delta V, \Delta t, 1/\Delta t$
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Internal Memory

Save/Recall Setups	10 front-panel setups
Save/Recall Waveforms	2 reference waveforms

TECHNOLOGY

Digital Real-Time (DRT)

APPLICATIONS

General Purpose Test & 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.