

TEKTRONIX

2465B

The Tektronix 2465B is a high-performance 400 MHz, four-channel analog oscilloscope known for its reliability, extremely fast 875 ps rise time, and extensive on-screen readout capabilities. Part of the highly regarded industry-standard 2400 Series, it features selectable 1 M Ω and 50 Ω inputs, dual delaying time bases, and on-screen cursor measurements, making it a rugged and precise instrument for demanding electronics test applications.

SPECIFICATIONS

General

Interfaces	GPIB (Option 10)
Display	80 × 100 mm CRT with On-Screen Readout
Included Probes	4 × P6139A (10X, 500 MHz)

Physical

Power Supply	90-132 V / 180-250 V, 48-440 Hz, 120 W max
Operating Temperature	-15 to +55 °C
Dimensions (W×H×D)	330 × 160 × 434 mm (without handle and front cover) mm
Weight	9.3 kg

Vertical System

Number of Channels	4
Bandwidth (-3 dB)	400 MHz
Rise Time	875 ps
Deflection Factor Range (CH1 & CH2)	2 mV/div to 5 V/div
Deflection Factor Range (CH3 & CH4)	0.1 V/div and 0.5 V/div
Deflection Factor Accuracy	2%
Input Impedance (CH1 & CH2)	1 M Ω 15 pF or 50 Ω
Input Impedance (CH3 & CH4)	1 M Ω 15 pF
Input Coupling	AC, DC, GND
Maximum Input Voltage (1 M Ω)	400 V (DC + peak AC)
Maximum Input Voltage (50 Ω)	5 V RMS
Bandwidth Limit Filter	20 MHz
Vertical Display Modes	CH 1, CH 2, CH 3, CH 4, ADD (CH 1 + CH 2), INVERT (CH 2), ALT, CHOP
Input Capacitance (CH1 & CH2)	15 pF ± 2 pF

Horizontal System

Sweep Time Base A Range	500 ms/div to 5 ns/div
Sweep Time Base B Range	50 ms/div to 5 ns/div
Sweep Magnifier	x10
Magnified Sweep Speed	500 ps/div
Alternate Sweep Function	Yes
Horizontal Display Modes	A, ALT, B, B DLY'D, X-Y

Triggering System

Trigger Sources	CH1, CH2, CH3, CH4, Line
Trigger Modes	Auto Level, Auto, Normal, Single Sequence
Trigger Coupling	AC, DC, HF Reject, LF Reject, Noise Reject

CRT and Display

Graticule	8 × 10 divisions, illuminated
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Measurement and Readout

Cursor Functions	ΔV , Δt , $1/\Delta t$ (Frequency), Absolute Volts, Phase
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Outputs and Interfaces

Probe Calibrator Output Voltage	400 mV peak-to-peak
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Environmental and Safety

Non-Operating Temperature	-62 °C to +85 °C
Operating Altitude	Up to 4,500 m (15,000 ft)
Non-Operating Altitude	Up to 15,000 m (50,000 ft)
Military Specification	Meets MIL-T-28800C Type III, Class 3, Style C

Configurations and Options

Available Hardware Options	Option 01 (DMM), Option 05 (TV Sync), Option 06 (Counter/Timer/Trigger), Option 09 (Word Recognizer), Option 10 (GPIB), Option 11 (Probe Power)
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Power

Line Frequency Range	48 to 440 Hz
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Triggering

Trigger Sensitivity (DC to 50 MHz)	0.35 div (CH1 & CH2)
Trigger Sensitivity (50 MHz to 400 MHz)	1.0 div (CH1 & CH2)
Trigger Sensitivity (400 MHz to 500 MHz)	1.5 div (CH1 & CH2)

TECHNOLOGY

Analog

APPLICATIONS

Electronics 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.