

- 100 MHz Analog bandwidth
- 100Ms/S real time sampling rate and 10GS/s Equivalent time sampling
- 16K record length for each channel
- Ultra zoom for viewing waveform details
- FFT function
- High resolution 320 x 240 Pixel Monochrome LCD display
- Optional 256 Color VGA LCD display (D7510C)
- Optional extension module for RS232 and GPIB interfaces with ultra zoom software
- Automatic waveform measurements
- Auto-setup and auto calibration
- 5 waveforms and setups may be stored in memory



SPECIFICATIONS

Vertical

No. of Inputs: 2
Analog Bandwidth: DC to 100MHz
Selectable Bandwidth Limit: 20MHz
Rise Time: < 3.5 ns
Sensitivity: 2mV/Div to 5V/Div
Resolution: 8 Bits
Coupling: AC/DC/Gnd
Accuracy: ±3%
Input Impedance: 1MΩ and 15pf capacitance
Maximum Input Voltage: 400V DC
Probe Attenuation Factors: X1, X10, X100, X1000

Horizontal

Sweep Rates: 5ns/Div to 5s/Div in a ln a 1-2-5 sequence (to 2.5ns with Ultra zoom)
Accuracy: ±100 ppm
Resolution: 100ps

XY Plot

Bandwidth: 100 MHz **Phase Difference:** 3°

Acquisition System

Sample rates: Real time: 10S/s to 100MS/s
 Equivalent Time: 10GS/s
Record Length: 16K (Fast trigger off), 2K (Fast trigger on)
Single Shot Bandwidth: 20MHz
Waveform Interpolation: (sin x)/x
Averages: N averages where N = 2,4,8,16,32,64,128

Trigger

Sensitivity: Internal: 1Div (DC to 10MHz)
 External: 100mV (DC to 10MHz), 200mV (10MHz to 100MHz)
 External/5: 500mV (DC to 100MHz)
Video Trigger Sensitivity: Int: 2 Div P-P
 Ext: ± (0.3 Div + 40mV)
 Ext/5: 2V
Trigger Level Range: Int: ±8 Div from center of the screen
 Ext: ±1.6 Div
 Ext/5: ±8 Div
 Set Level: 50%
Modes: Auto, Normal, Video, Single
Source: CH 1, CH 2, Ext, Ext/5, AC line
Coupling: AC or DC

Measurements

Auto Measurement: Vp-p, Vrms, Vmax, Vmin, Vtop, Vbase, Vavg, Freq, Period, + or - Width, Rise and fall time, Delay
Cursor: V, T, ΔT, ΔV and 1/ΔT

Math Operations

Type: (CH1 + CH2), (CH1 - CH2), (CH1 x CH2), (CH1/CH2), FFT

Memory

Memory: 5 waveforms and 5 setups may be save and recalled for each channel

FFT

Frequency Points: 1024
Weighting: Hanning, Hamming, Blackman-Harris, Rectangular

Display

Size: 5.7" (Diagonal LCD)
Resolution: 320 x 240 Pixels
Type: VGA Monochrome or 256 Color VGA LCD

Extension Module

RS232: Baud Rates: 300, 2400, 4800, 9600, 19200, 38400
GPIB: IEEE 488.2

General Specifications

Power Requirements: 100V to 240V, 45Hz to 450Hz
Power Consumption: < 50W
Operating Temperature: 10 to 40°C (50 to 104°F) at a relative humidity of 90%
Size: 11.3" H x 14.0" W x 5.6" D
Weight: 10 lbs.
Supplied Accessories: Manual, Line cord, (2) X1/X10 probes
Optional Accessories: GPIB and RS-232 module, Ultra-zoom software CD