

Spectrum Analyzer Option



Spectrum analyzer style controls simplify waveform analysis in the frequency domain

Key Features

- **Spectrum analyzer style controls for the oscilloscope**
- **Select from six vertical scales**
- **Automatically identify frequency peaks**
- **Display up to 20 markers, with interactive table readout of frequencies and levels**
- **Easily make measurements with reference and delta markers**
- **Automatically identify and mark fundamental frequency and harmonics**
- **Spectrogram shows how spectra changes over time in 2D or 3D views**

Simple Frequency Domain Analysis

Get better insight to the frequency content of any signal with use of the Spectrum Analyzer option. This option provides a spectrum analyzer style user interface with controls for start/stop frequency or center frequency and span. The resolution bandwidth is automatically set for best analysis or can be manually selected. Vertical Scale can be selected as dBm, dBV, dBmV, dBuV, V_{rms} or A_{rms} for proper viewing and analysis.

Peak Detection and Markers Aids Measurement

Peaks are automatically and continuously identified with each new acquisition making it easy to identify changing spectra. Utilize up to 20 markers to automatically identify harmonics and quickly analyze frequency content by making measurements

between reference and delta markers. Each peak and marker is labeled, frequency content and amplitudes are displayed in an interactive table. Markers can automatically set a reference cursor on the fundamental frequency and mark all harmonics found within the spectrum.

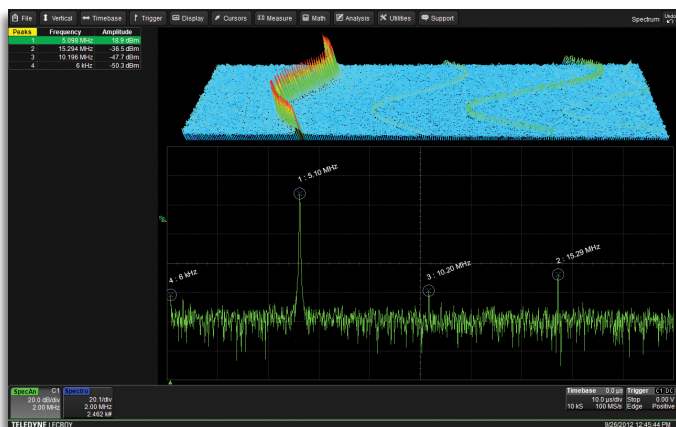
Spectrogram Shows Changes Over Time

Monitor how the spectrum changes over time by viewing the spectrogram which can display a 2D or 3D color-graded history of the frequency content.

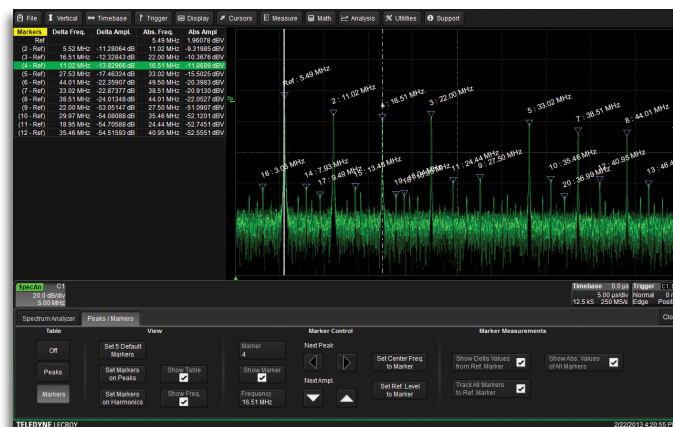
Advanced FFT Capabilities

Perform advanced frequency domain analysis with advanced FFT capabilities, such as power spectrum density, real/imaginary, and magnitude squared frequency analysis.

ORDERING INFORMATION



Spectrogram shows 2D or 3D views of changing spectral content.



Spectrum Analyzer software uses oscilloscope channels, zooms, math functions or History Mode as source waveforms.

Ordering Information

Product Description

Product Code

Spectrum Analyzer for HDO4k	HDO4K-SPECTRUM
Spectrum Analyzer for WaveRunner 6 Zi and HRO 6 Zi	WR6Zi-SPECTRUM
Spectrum Analyzer for WaveRunner Xi/Xi-A	WRXi-SPECTRUM
Spectrum Analyzer for WavePro 7 Zi/Zi-A	WPZi-SPECTRUM
Spectrum Analyzer for WaveMaster 8 Zi-A	WM8Zi-SPECTRUM
Spectrum Analyzer for LabMaster 9 Zi-A	LM9Zi-SPECTRUM
Spectrum Analyzer for LabMaster 10 Zi	LM10Zi-SPECTRUM

Customer Service

Teledyne LeCroy oscilloscopes and probes are designed, built, and tested to ensure high reliability. In the unlikely event you experience difficulties, our digital oscilloscopes are fully warranted for three years and our probes are warranted for one year.

This warranty includes:

- No charge for return shipping
- Long-term 7-year support
- Upgrade to latest software at no charge



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