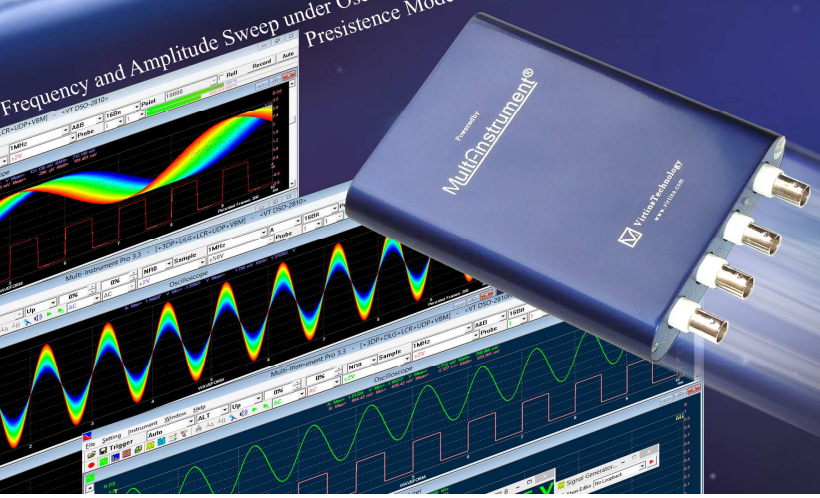
VT DSO-2810E

Powered by Multi-Instrument®



8~16Bit 100MSPS 40MHz Oscilloscope, Spectrum Analyzer
10-Bit 200MSPS 60MHz AWS Signal Generator
2 analog inputs, 1 digital input, 1 analog output
Unique hardware based DSP algorithm
Sophisticated trigger function
12 voltage ranges, 1% DC accuracy
Allows measurment down to sensor level, user re-calibration supported
Adaptive anti-aliasing filter; Built with latest technology

The higher you go, the further you see!

Introduction

This is one of the second-generation USB DSOs designed and developed by Virtins Technology. This generation of USB DSOs features Virtins Technology's unique hardware-based DSP algorithm which enhances the performance and functionality dramatically without adding extra hardware cost. When used in conjunction with Multi-Instrument® software, the USB DSO converts any desktop, laptop, or tablet PC into a powerful oscilloscope, spectrum analyzer, multimeter, data logger, signal generator and so forth, all of which work simultaneously.

Package Contents

1) VT DSO-2810E unit with a hardware bundled Multi-Instrument Standard software license
2) 2 × 60 MHz Oscilloscope Probe P6060 with two switchable positions: ×1, ×10
3) Signal Generator Test Lead (1m)
4) USB cable (1.5m)
5) CD (contains the copy-protected Multi-Instrument software and VT DSO-2810E driver)
6) Individual voltage calibration data

Powered by Multi-Instrument®, a powerful multi-function virtual instrument software

Free to download and try with full functionality using your sound card: http://www.virtins.com/MIsetup.exe

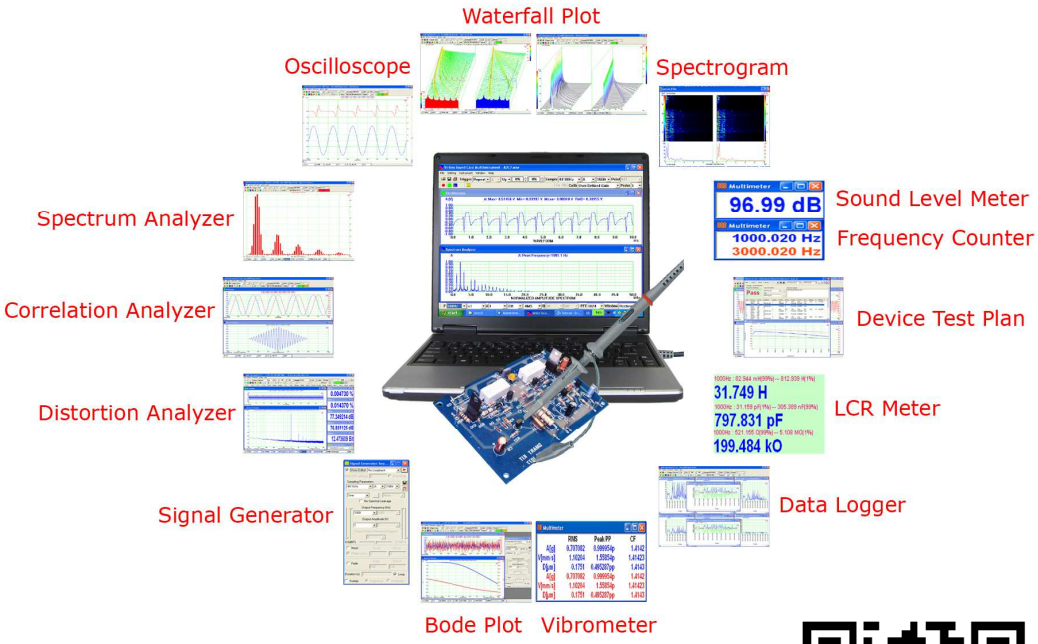
Main Hardware Specifications

Oscilloscope

Max. Sampling Rate: 100MHz
Min. Sampling Rate: 1Hz
Equivalent Time Sampling Rate: 20GHz
Bit Depth: 8~16 bits
Analog Bandwidth: 40MHz
12 Voltage Ranges: ±10mV ~ ±50V
DC Accuracy: 1%
Modes Supported: Frame & Streaming
Frame Buffer Size: 20k bytes per channel
Streaming Buffer Size: virtually unlimited
Analog Inputs: 2 (1 MΩ, 15 pF)
Digital Input: 1 (1 MΩ, 15 pF)
Re-calibration: supported

Signal Generator

Max. Sampling Rate: 200MHz
Min. Sampling Rate: 5kHz
Bit Depth: 10 bits
Analog Bandwidth: 60MHz
Voltage Range: ±2V
DC Accuracy: 0.5%
Modes Supported: DDS & Streaming
DDS Buffer Size: 1024 × 65536 Samples
Streaming Buffer Size: virtually unlimited
Analog Output: 1 (50 Ω)



Multi-Instrument

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