

VT DSO-2810

Powered by Multi-Instrument®

- 8~16Bit 100MSPS 40MHz Oscilloscope, Spectrum Analyzer
- 10-Bit 3.125MSPS 150kHz 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 measurement down to sensor level, user re-calibration supported
- Adaptive anti-aliasing filter; Built with latest technology



Amplitude sweep captured under oscilloscope persistence mode

Leading the way...

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-2810 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-2810 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>

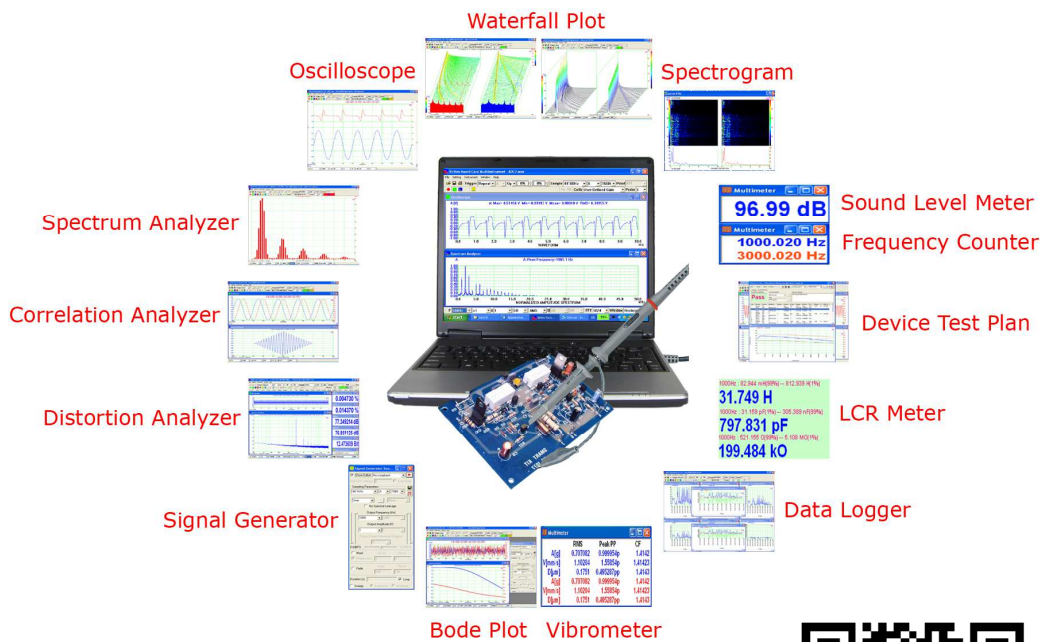
Main Hardware Specifications

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: 3.125MHz
 Min. Sampling Rate: 3.125kHz
 Bit Depth: 10 bits
 Analog Bandwidth: 150kHz
 Voltage Range: ±2V
 DC Accuracy: 0.5%
 Modes Supported: DDS & Streaming
 DDS Buffer Size: 1024 × 65536 Samples
 Streaming Buffer Size: virtually unlimited
 Analog & Digital Output: 1 (600 Ω)



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