

# VT DSO-2810R

Powered by **Multi-Instrument®**

8~16Bit 100MSPS 40MHz Oscilloscope, Spectrum Analyzer

2 analog inputs, 1 digital output

Unique hardware based DSP algorithm

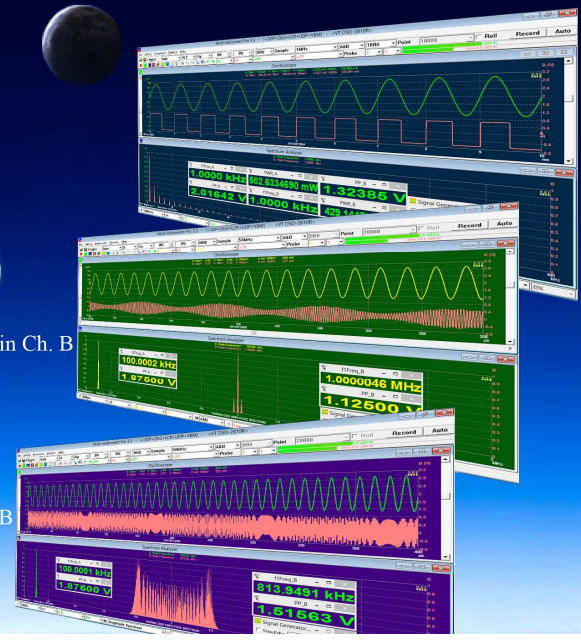
Sophisticated trigger function

10 voltage ranges, 1% DC accuracy

Adaptive anti-aliasing filter

Very small footprint (70 x 24 x 111 mm)

Built with latest technology



Aspiring higher...

## 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-2810R unit with a hardware bundled Multi-Instrument Standard software license
- 2) 2 x 60 MHz Oscilloscope Probe P6060 with two switchable positions: x1, x10
- 3) USB cable (1.5m)
- 4) CD (contains the copy-protected Multi-Instrument software and VT DSO-2810R driver)

## 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: ±50mV ~ ±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)

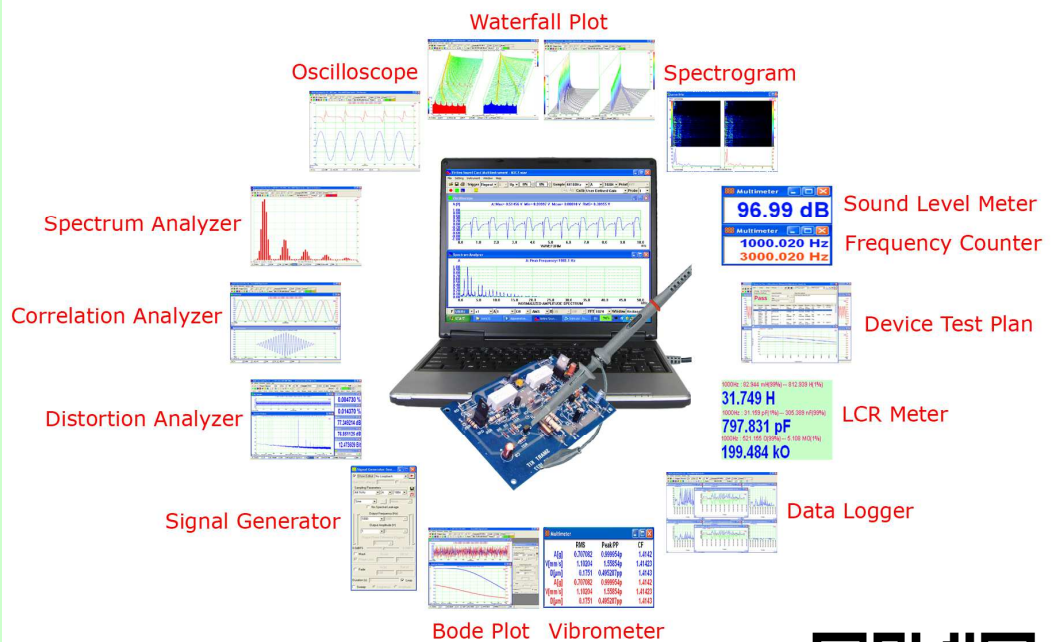
#### Probe Calibration Signal Output

Square: 25 MHz / N, (N=1, 2, 3, ...25000)

MLS: 25 MHz / N, (N=1, 2, 3, ...25000)

Voltage Range: 0~3.3V, not adjustable

Digital Output: 1 (600 Ω)



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