

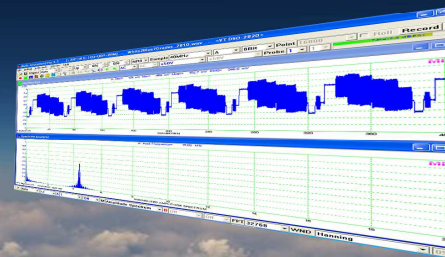
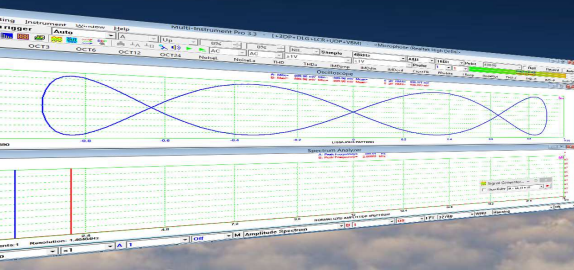
# VT DSO-2A20

Powered by  
**Multi-Instrument®**

10~16Bit 200MSPS 80MHz Oscilloscope, Spectrum Analyzer  
12-Bit 6.25MSPS 150kHz AWS Signal Generator  
2 analog inputs, 1 digital input, 1 analog output  
Unique hardware based DSP algorithm  
Sophisticated trigger function  
12 voltage ranges, 0.5% DC accuracy  
allows measurement down to sensor level, user re-calibration supported  
Adaptive anti-aliasing filter; Built with latest technology



You can't make bricks  
without straw! ...



## 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-2A20 unit with a hardware bundled Multi-Instrument Standard software license
- 2) 2 × 100 MHz Oscilloscope Probe P6100 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-2A20 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: 200MHz  
Min. Sampling Rate: 1Hz  
Equivalent Time Sampling Rate: 40GHz  
Bit Depth: 10~16 bits  
Analog Bandwidth: 80MHz  
12 Voltage Ranges: ±10mV ~ ±50V  
DC Accuracy: 0.5%  
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: 6.25MHz  
Min. Sampling Rate: 3.125kHz  
Bit Depth: 12 bits  
Analog Bandwidth: 150kHz  
Voltage Range: ±2V  
DC Accuracy: 0.2%  
Modes Supported: DDS & Streaming  
DDS Buffer Size: 1024 × 65536 Samples  
Streaming Buffer Size: virtually unlimited  
Analog & Digital Output: 1 (600 Ω)

