Mixed Signal Oscilloscope Module for Apple® iOS Devices

Compact intuitive design works with all generations of iPhone, iPad, and iPod touch devices

new


20044-21

This compact economical mixed signal oscilloscope allows you to analyze one analog and up to four digital signals and is perfect for design and debug of embedded systems and mixed signals, automotive electronics, education, training, and more. The intuitive touch screen menu allows you to easily save your user preferences and configurations, and unit features data logging capability to easily record and save historical data.

Set up and operation is simple—connect the module to your device (iPhone, iPad, or iPod touch), download the required free iMSO App from the Apple App Store (search for iMSO) that includes software, and begin taking measurements. The powerful software allows you to easily view, graph, and trend data in real time and download for future analysis. Module is compatible with iPhone, iPhone 3G, 3GS, 4, 4S; iPad, iPad 2, 3; and iPod touch 1st, 2nd, 3rd, and 4th generation.

- R&D Magazine 100 most technologically significant products of 2012 award winner
- 5 MHz bandwidth with up to 12 MS/s sample rate on all channels
- Tiny footprint—fits in your pocket!
- FFT—view signal from frequency domain
- Display up to six measurements simultaneously
- Accessories available online at www.davis.com

SPECIFICATIONS	
Bandwidth	5 MHz
Channels	1 analog + 4 digital
Sample rate	12 MS/s
Record length	240 points (unlimited recording length for data logging)
Trigger types	Analog, digital (A, A & B, A | B, A->B)
Waveform math	FFT and data logging
Connectivity	30-pin dock connector (works with iPhone, iPad, iPod touch)
Display	3.5" on iPhone, iPod touch (960 x 640); 9.7" on iPad (1024 x 768)
Dimensions	2¼"W x 1½"H x ¼"D (57.1 x 38.1 x 6.3 mm)
Power	Powered by iPhone, iPad, iPod touch device

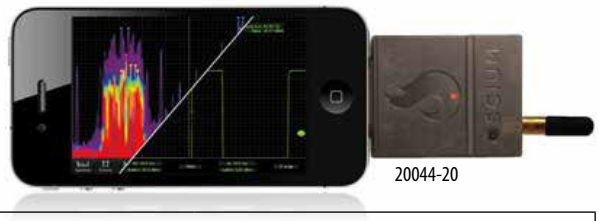
What's included: 1x/10x analog probe, logic harness (four digital plus one ground), SMD grabbers (five pieces), screwdriver for analog compensation adjustment, analog tip covers (two pieces), and quick-start guide. Required software is free to download from the Apple App Store (search for iMSO).

Catalog No.	Model No.	Description
TS-20054-21	iMSO-104	Mixed signal oscilloscope module

Spectrum Analyzer / Power Meter Module for Apple® iOS Devices

Ultra-portable RF tool measures duty cycle and transmit on and off times

new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The WiPry-Combo is a combination spectrum analyzer/power meter module that brings LCD RF power measurements into a graphical interface and displays the waveform of the amplitude with respect to time. This module allows you to capture, trigger, and record the actual power output similar to voltage on an oscilloscope. The touch-screen interface of the iPhone, iPad, and iPod touch makes this module extremely easy to use with any of these devices allowing you to leverage intuitive gestures like pinch to zoom.

Lightweight, compact module fits is ideal for engineers and technicians conducting field measurements. Setup and operation is simple—connect the module to your device (iPhone, iPad, or iPod touch), download the required free WiPry App from the Apple App Store (search for WiPry, then select WiPry-combo) that includes software, and begin taking measurements. The powerful software allows you to easily view, graph, and trend data in real time and download for future analysis. Module is compatible with iPhone, iPhone 3G, 3GS, 4, 4S; iPad, iPad 2, 3; and iPod touch 1st, 2nd, 3rd, and 4th generation.

- Enables your iPhone, iPad, or iPod touch to make power and frequency measurements
- Frequency: visualize Wi-Fi, Zigbee®, *Bluetooth*®, and remote sensor networks
- Power: measure rise and fall time, duty cycle, and peak power with precision power meter
- Allows conducted measurements and non-RF related triggering

NOTE: The *Bluetooth*® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.

SPECIFICATIONS		
Function	Spectrum analyzer	Power meter
Frequency range	2.400 to 2.495 GHz	100 MHz to 2.7 GHz
Amplitude range (60 dB)	–40 to +20 dBm	–45 to +20 dBm
Amplitude resolution	2.0 dBm	2.0 dBm
Bandwidth resolution	1 MHz	—
Sweep time	200 ms	—
Timescale	—	2 µs/div to 1 s/div
Antenna	External with SMB connector	
Dimensions (W x H x D)	2¼" x 1½" x ¼" (57.1 x 38.1 x 6.3 mm)	
Power	Powered by iPhone, iPad, iPod touch device	

Catalog No.	Model No.	Description
TS-20054-20	WiPry-Combo	Spectrum analyzer / power meter module