

ANALOGTM DISCOVERY

Portable Analog Circuit Design Kit



Turn your PC into a powerful circuit learning platform that can measure, visualize, analyze, record and control mixed signal circuits! The Analog Discovery is small enough to fit in your pocket and costs less than a textbook, but it is powerful enough to replace a stack of lab equipment. Powered by a Hi-Speed USB port and the free WaveForms software, the Analog Discovery lets you build and test analog and digital circuits outside of the lab.

Designed in cooperation with:



Dual Channel Oscilloscope

- Fully differential inputs, up to 100 MSPS, 14-bit ADC, up to 16KSa/channel memory
- 1M Ω /24pF inputs, $\pm 20V$ Max
- Real-time FFTs, X-Y plots, complex math and measurements on all channels
- 5 MHz analog signal bandwidth

Dual channel Function Generator

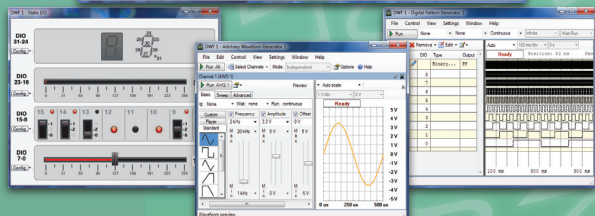
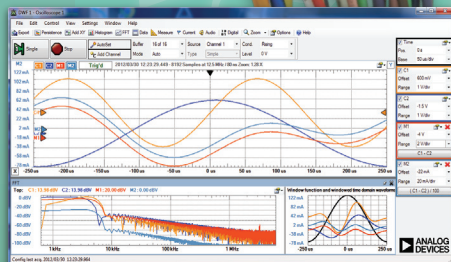
- Single-ended outputs, up to 100 MSPS, 14-bit D/A, up to 16KSa/channel memory
- Arbitrary and pre-defined waves up to $\pm 5V$
- Sweeps, envelopes, AM and FM modulation
- Bode plot feature using standard, Nyquist & Nichols coordinates
- Can drive 50 Ω

Digital I/O

- 16 signals, 100MSPS, 4KSa/channel memory
- Any signal can be input (logic analyzer) or output (pattern generator or virtual I/O)
- Supports cross-triggers with scope channels

Power Supplies

- Two fixed $\pm 5V$, 50mA



Powered by WaveFormsTM

For courseware & more information, please visit:
www.digilentinc.com/AnalogDiscovery



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