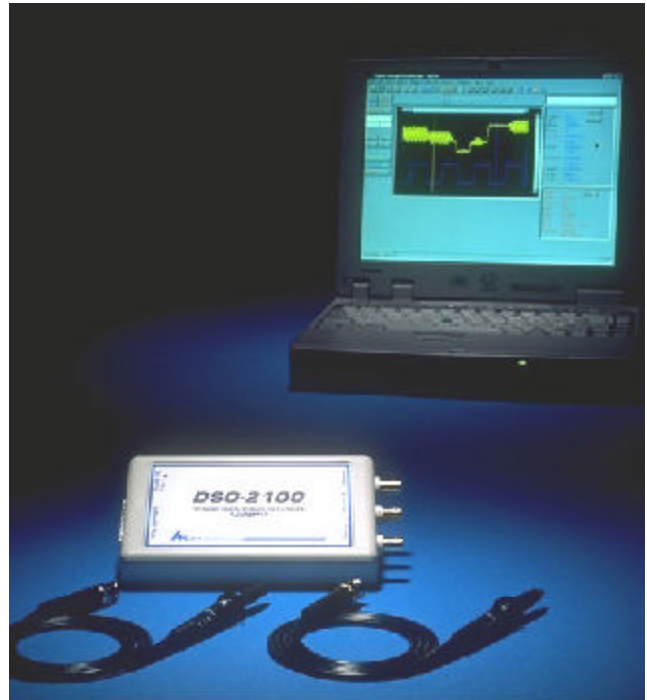


DSO-2102M-USB

Digital Storage Oscilloscope

- 100 MSa/s Sample Rate
- 2 Channels
- 32.7Kpoint Record Length
- 60 MHz Bandwidth
- Advanced Triggering
- 50MHz FFT/Spectrum Analyzer
- 51 Automatic Measurements
- Pass/Fail Testing on 10 Simultaneous Measurements
- Autoset Function
- External Trigger: Input and Output
- Waveform and Setup Memories
- Lightweight - 24 ounces
- Available DLL Programming Library
- NIST Traceability Certificate Available
- USB and Parallel Port Interfaces



Award Winning Design

The Link Instruments DSO-2100 Series Digital Oscilloscopes are widely recognized for their innovative design and comprehensive feature set. With exceptional performance and an intuitive interface, the DSO-2100 Series has garnered numerous awards including EDN's Hot 100 Products of the Year and Test & Measurement World's Best-in-Test, Honorable Mention. Design, manufacturing, and support teams for the award winning DSO-2100 Series are all based in the U.S.A.

24 Ounce Digital Oscilloscope

The DSO-2102M-USB delivers a full featured digital oscilloscope for today's laptop equipped mobile professionals and field service engineers. The unit delivers a powerful oscilloscope with a total operational weight of only 24 ounces. Compact and lightweight, the unit is a nearly transparent addition to any laptop bag or field service kit. With a near zero footprint design (0.05sqft), the DSO-2102M-USB frees up valuable lab and workbench space for both laptop PC and desktop PC users.

Delivering Extraordinary Performance

Link Instruments' DSO-2102M packs a host of features that come in handy in any test, debug or design environment. True 100MSa/s sampling on each channel with best in class 32.7Kpoint capture buffers provide superior signal analysis in both detail and duration. On-board high speed memory and advanced FPGA design enable advanced features including 50MHz FFT-Spectrum Analysis with up to 16,384 bins, pulse width + pulse count triggering, 51 automatic measurements, and pass/fail testing on up to 10 parameters.

Leveraging Versatility

All of Link Instruments' products leverage the versatility of PC's running Windows. See entire events at a glance in 1600x1200+ detail on large 14" to 21" displays, and projector screens. Export data to disk for distribution or post-processing. Easily print to color, laser or inkjet. Enhance technical documentation with screenshots of signal captures. Combined with Windows versatility the DSO-2102M-USB delivers unmatched design, portability, and performance.

TECHNICAL SPECIFICATIONS

SIGNAL INPUTS

Channels	2 Channels + External Trigger
Max Sample	100MSa/s on each channel
Capture Buffer	32.7Kpts/ch, selectable to 1Kpts/ch
Bandwidth	60 MHz
Resolution	8 bits / channel
Impedance	1 M Ω // 15 pF
Input Coupling	DC, AC, Ground
Gain Range	20mV/div to 2V/div with x1 attenuation 200mV/div to 20V/div with x10 attenuation 2V/div to 200V/div with x100 attenuation
Input Range	10 divisions
Offset Range	± 5 divisions
Offset	0.04 div increments
DC Accuracy	$\pm 2\%$
Max. Input	± 50 VDC continuous, ± 150 V transient
A/D Converter	Dual 8-bit
Probes	Two 1x/10x 60MHz switchable probes with standard BNC connector
Calibration	Self Calibrating
Probe Calibration	Calibration Signal Provided

TIMEBASE

Range	10 ns/div to 10 s/div
Accuracy	$\pm 0.01\%$
Resolution	10 ns
Sample Clock Rate	1KHz to 100MHz (1,2,5 sequence)
Channel Skew	<1 ns

TRIGGERING

Type	rising & falling edge, adj level, TV-H, TV-V PulseWidth, PulseCount, PulseWidth+Count TV-Line (with optional TV-line Module)
Mode	Auto, Normal, Single Shot
Pre-Trigger	0 to 100% of record
External Trigger	TTL (1.4V), Trigger Input & Trigger Output
Range	10 divisions vertical
Settability	0.04 divisions
Autosetup	Channel A & Channel B

FFT - SPECTRUM ANALYZER

Bins	128 bins to 16,384 bins
Windows	Rectangular, Tapered Rectangular, FlatTop, Hanning, Triangular, Hamming, Blackman-Harris.
Type	Magnitude, Power spectrum, Power-density, Real and Imaginary.
Plot	Channel A, Channel B, Memory and Waveform math.
Other	Zoom, Compress, Waterfall, and Decay.

MINIMUM SYSTEM REQUIREMENTS

Hardware	386SX or better, USB Port, VGA Display
Operating System	Windows XP/2000/ME/98

MAXIMUM POWER CONSUMPTION

1A @ +7.5VDC

WARRANTY

1 year parts and labor. Free lifetime software updates from www.LinkInstruments.com

PRICING

DSO-2102M-USB

\$725

Includes DSO, USB Adapter(DSO-21USB1), Parallel Port cable, 2 switchable 1x/10x probe kits(DSO-P60), AC power module, FFT-Spectrum Analyzer, 51 Automatic Measurements, Advanced Triggering, and Pass/Fail testing, Data Logging

DSO-2102M-USB-INTL

\$805

Includes DSO, USB Adapter, Parallel Port cable, 2 switchable 1x/10x probe kits, International AC power module (DSO-21-UNIV-PWR), FFT Spectrum Analyzer, Advanced Measurements, Advanced Triggering, and Pass/Fail testing

OPTIONS

DSO-21USB1

\$100

USB Adapter for DSO-2102

DSO-21-UPGD1

\$149

Upgrade a DSO-2102S to a DSO-2102M

DSO-21M-TVT1

\$150

TV Trigger module for the DSO-2100

Provides scan line triggering

DSO-21-UNIV-PWR

\$ 80

International power supply. Universal (90v..264v, 50/60Hz) regulated power supply for customers not using United States voltages.

DSO-VoiceAssist

\$ 85

IBM ViaVoice Software for Voice Control of the DSO-2100

DSO-2100-DLL-LIB

\$300

DLL Programming Library for the DSO-2100 Series. Includes source code, examples, and sample LabView VI's

DSO-2100-NISTC

\$110

NIST Calibration Certificate

PROBES

DSO-P60

\$ 40

60MHz Probe, 1x/10x, Qty 1

DSO-PROBE-2M

\$ 60

100MHz Probe, 2 Meter Length, 1x/10x, Qty 1

DSO-PROBE-DIF

\$375

25MHz Differential Probe, 10x/100x, Qty 1

DSO-PROBE-x100

\$ 72

100MHz Probe, 2 Meter Length, 100x, Qty 1

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