

## The New Literunner Digital Oscilloscope from LeCroy



### Compact and Portable

At 6.6 lbs (3 kg), this compact scope is easy to carry and fits very easily onto crowded workbenches.

### High-Speed Sampling Rate and Long Memory

Operates at 500 MS/s sampling rate with 100 MHz analog bandwidth. Each channel has a long 100 kpoints acquisition memory.

### High Accuracy

Vertical accuracy is within 2% and horizontal accuracy is 50 ppm (0.005%).

### Cursor Measurements

Two cursors (two vertical or two horizontal) let you measure voltage difference (delta V), time difference (delta t), frequency (1/delta t), and V at t for a specific waveform.

### Auto Copy

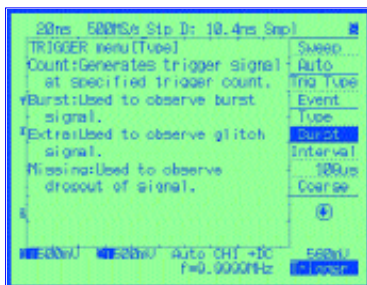
Display or waveform data can be output automatically to a specified device (built-in printer, ATA card, or floppy disk).

### Simple to Use, yet Powerful

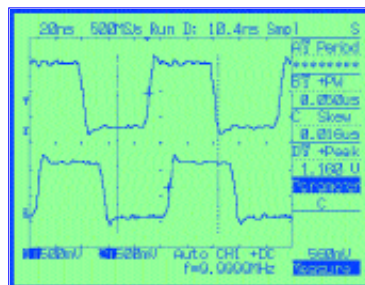
Features a variety of automatic measurements, triggers, floppy, internal printer, and interfaces to external devices.

### Great Value

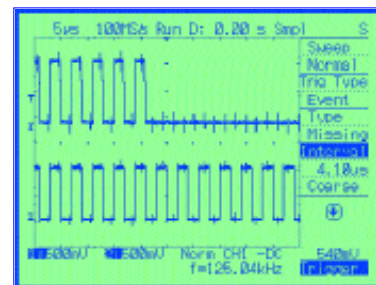
Lots of information at an amazingly low cost!



Help when you need it



Cursors and parameters



Troubleshoot signal interruptions

### Easy-to-Use Menu Selection

Just turn the function knob to select a menu item, then press to activate it.

### Help Menu

Explains the various menu functions. Useful for beginners or for advanced users needing to know what a particular function does.

### Event Trigger

Wide range of triggers, including event triggers (count/burst/extra/missing) and TV triggers (NTSC/PAL/SECAM).

### Hardware Five-Digit Frequency Counter

Input signal frequency can be shown in five digits. No more guessing about signal aliasing.

### 13 Automatic Measurements

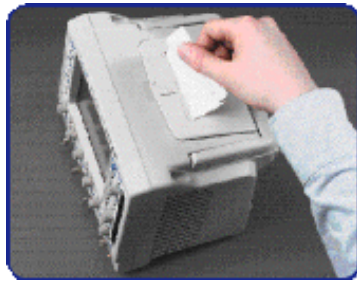
All the basic automatic functions required for common measurements are provided, assuring quick, accurate results and improving working efficiency.

### 25 GS/s Equivalent Sampling

Using the equivalent sampling method, the time resolution is increased up to 40 ps (equivalent to 25 GS/s). Pre-trigger information is available.



ATA flash card



Internal printer



Floppy drive

## Main Specifications

### Acquisition System (Common to CH1, CH2)

**Sensitivity:** 2 mV/div - 10 V/div (1-2-5 steps) (0.8 mV/div zoomed) **Bandwidth:** DC - 100 MHz (frequency cutoff is 10 Hz for AC coupling)

**Max single-shot sampling rate:** 500 MS/s

**Equivalent sampling mode:** 25 GS/s

**Peak detect:** 500 MS/s

**Resolution:** 8-bit

**Acquisition Memory:** Short - 5 kpts/ch; long - 100 kpts/ch

**Storage Modes:** Normal, equivalent sampling, peak detect, average, roll

### Triggering System

**Modes:** Auto, Normal Single

**Sources:** CH1, CH2, EXT

**Types:** Edge, Event, TV

**Event trigger:** Count, Burst, Missing, Extra

### Timebase System

**Time/div range:** 5 ns - 50 s/div (1-2-5 steps)

**Roll Mode:** 500 MS - 1000 s/div

### Display Functions

**Display:** 5.7" (145 mm) backlit LCD display

**X-Y display:** X = CH1, Y = CH2

**Help function:** Available on screen in reverse video

### Waveform Storage

Save and Recall

**Media:** ATA card, floppy disk (3.5")

**Data type:** Setup, waveform

**Record format:** Binary and ASCII formats are available for waveform data.

**Comment:** Text comments can be appended to waveform files.

**Auto copy:** Waveforms can be automatically copied to a storage device after each trigger.

### Math and Measurement Functions

**Cursors:** delta V, delta t, 1/delta t, V at t

**Parameters:** Tr, Tf, Vrms, Vmean, etc. (total 13 items)

**Arithmetic functions:** +, -, x

**Frequency counter:** Five display digits, 1 Hz - 100 MHz frequency range

### Other Features

**Auto setup:** Automatically setup V, H range and trigger for repetitive signal

**Interface:** RS-232C

**Data output:** Centronics

**Built-in printer:** Line thermal printer, roll print available

**Floppy, ATA card:** Output format TIFF, BMP

**Centronics formats:** DPU-414, ESC-P09, ESC-P24, PC-PR201, TIFF, BMP

### Power Supply

**Voltage range:** AC 100 - 240 V

**Power consumption:** 90 VA max (with built-in printer operation)

### Dimensions and Weight

**Dimensions (width, height, length):** 8.4" x 6.7" x 6.5" (214 mm x 170 mm x 166 mm)

**Weight:** Approx. 6.6 lbs (3.0 kg) excluding accessories