




PORTABLE DUAL CHANNEL DIGITAL OSCILLOSCOPE

## **LD-LPDO-A10**

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Portable Dual Channel Digital Oscilloscope LD-LPDO-A10 is a compact and versatile digital oscilloscope designed to display and analyze the waveform of electronic signals. With a bandwidth of 20 MHz, it offers a reliable and efficient solution for capturing and analyzing electronic signals. Two signals can be compared and monitored simultaneously by the dual-channel setup. Waveforms can be steadily displayed using the auto level-locking function without changing the level potential. Scanner uses digital coding switch.

## Features

- 6-inch screen makes it simple to see the signal waveform clearly
- TV sync, you can display a stable TV-H and TV-V signal
- High sensitivity, the maximum deflection factor 1mV / div
- Auto-focus, the focusing level measuring process can be automatically corrected
- Trigger locks, trigger circuit is at automatic synchronization state, without manual adjustment of the trigger level
- Alternate trigger, can observe two unrelated signals
- Intensity and focusing is continuously adjustable at front panel
- Trace rotation can be adjusted at the front panel
- Z-axis modulation is optional

## Application

Oscilloscope has been widely used in the fields of teaching, enterprises, scientific research, medical treatments and biomedical engineering to measure electrical phenomena and quickly test, verify, and debug the circuit designs, to convert electrical signals into visible graphs.

## Specifications

Model No.	LD-LPDO-A10
CRT (CATHODE RAY TUBE)	
Type	6" rectangle, internal scale, 0%, 10%, 90% and 100% marks
Display Area	8 x 10 DIV (1 DIV=10 mm)
Accelerating Voltage	2 kV

VERTICAL SYSTEM	
Trimming Ratio	≥2.5:1
Bandwidth (5mV / DIV)	DC (AC 10Hz) ~20MHz
Max. Input Voltage	400V (DC + AC peak) at 1KHz
Input Coupling	AC, DC, GND
Input Impedance	1MΩ±5% 25pF±5pF
Vertical Mode	CH1, CH2, DUAL (CHOP, ALT) ADD, CH2 inverse
HORIZONTAL SYSTEM	
Sweep Time	0.2μs~0.5s / DIV
Sweep Accuracy	±3%, ×10 MAG: ±5% (20ns~50ns ±10%)
Trimming Ratio	≥2.5:1
Sweep Magnification	×10 MAG
TRIGGER SYSTEM	
Trigger Modes	NORM, AUTO(TV-H), TV-V, LEVEL LOCK
Trigger Source	INT (CH1, CH2, VERT), EXT, LINE
Trigger Polarity	"+" or "-"
External Trigger Input	Input impedance: 1MΩ±5% 25pF±5pF
Max. External Trigger Voltage	400V (DC+AC peak) at 1 KHz
X-Y OPERATION	
Sensitivity and Accuracy	5mV~20V / DIV ±3%, ×5 MAG: 1mV~4V / DIV ±5%
Bandwidth (-3dB)	DC (AC 10 Hz) ~ 500 kHz
Phase Difference	≤ 3° or less from DC to 50 kHz
OTHER SPECIFICATIONS	
Power Source	220V+10%, 50/60Hz; 110V+10%, 60Hz
Dimensions (W x H x D)	310 x 145 x 440 mm
Weight	Approx. 8 kg
Operating Conditions	Temperature 0 °C -40 °C, Humidity ≤ 90%
Power Consumption	40 VA