

**Product Name :**  
USB- Oszilloscope 2 Chanel Incl. Adapters 4mm and  
Cabels

**Product Code :**  
LIM-CAT-L0072-00062



**Description :**

USB- Oszilloscope 2 Chanel Incl. Adapters 4mm and Cabels

**Technical Specification :**

USB- Oszilloscope 2 chanel incl. Adapters 4mm & cabels

Analog bandwidth: 10 MHz.

Oscilloscope with 2 channels.

Data transmission and power supply via USB.

Built in arbitrary function generator.

Kit contents and accessories

The oscilloscope kit contains the following items:

USB 2.0 (compatible with USB 3.0/3.1) cable

Two or x1/x10 passive probes

Channel1: two cable connectors / adapter BNC to banana 4mm

Channel 2: two cable connectors / adapter BNC to banana 4mm

2 cables red 5m with banana connector 4mm

2 cables black 5m with banana plug 4mm

Bandwidth 10 MHz

Sampling rate 100 MS/s

Recording memory 8 kS

AWG bandwidth 100 kHz

Vertical:

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Bandwidth (-3 dB) 10 MHz  
Rise time (calculated) 35 ns

Vertical resolution 8 bits

Optimized vertical resolution Up to 12 bits

Input ranges +/-50 mV, +/-100 mV, +/-200 mV, +/-500 mV,  
+/-1V, +/-2V, +/-5V, +/-10V, +/-120V

Input sensitivity 10 mV/div to 4 V/div (10 vertical divisions)

Input characteristics 1 M $\Omega$  +/-1 % || 15 pF +/- 2 pF

DC current accuracy +/- 3% of full scale +/- 200  $\mu$ V

Overvoltage protection +/-100 V up to 10 kHz

Horizontal:

Sampling rate 1 channel 100 MS/s

(real time) 2 channels 50 MS/s

Equivalent sampling rate (ETS) 2 GS/s

Sampling rate (USB streaming) 1 MS/s

Shortest time base 10 ns/div

Longest time base 5000 s/div

Other Specs:

Recording memory (block mode, shared by active channels) 8 kS

Recording memory (USB streaming mode), 100 MS (shared by the active channels)

Recording memory (USB streaming mode, PicoSDK) Up to available PC memory

Wellenform cache 10000

Dynamic behavior:

Cross-coupling (full bandwidth, uniform voltage ranges) Better than 200:1.

Distortion: 52 dB

Noise: Bandwidth flatness: (+ 0.3 dB, - 3 dB) from 0 Hz to full bandwidth

Automatic measurements

Oscilloscope mode: AC eff, cycle time, DC average, duty cycle, edge count, falling edge count, fall rate, fall time, frequency, high pulse width,

low pulse width, peak-to-peak, rise time, rising edge count, rising rate, true rms value

Spectral mode:

Frequency at peak, amplitude at peak, THD dB, SNR, SINAD, SFDR, total power, average amplitude at peak, total harmonic distortion %, total harmonic distortion +N, IMD.

Statistics:

Mean and Deviation.



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