

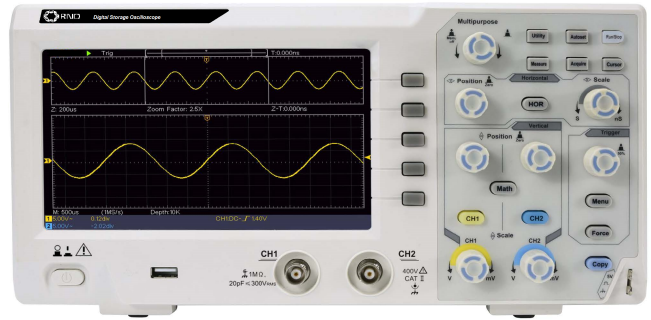
# Economical Digital Storage Oscilloscope



## RND 360-00009



### Features

- Bandwidth: 50MHz
- 2-Channel
- Sample rate: 500MS/s
- Ultra-thin body
- 7 inch high resolution LCD
- SCPI, and LabVIEW supported



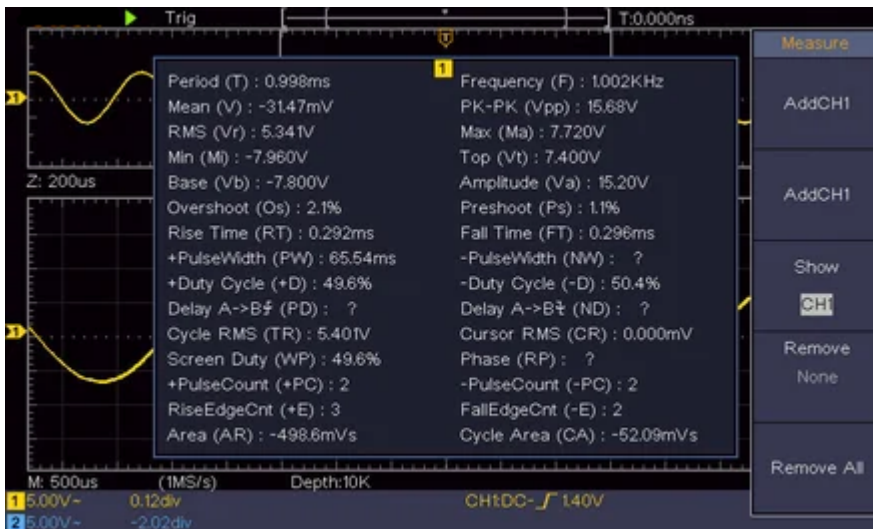
### Performance Specifications

Bandwidth	50MHz
Sample Rate	500MS/s
Horizontal Scale (s/div)	2ns/div - 1000s/div, step by 1 - 2 - 5
Rise Time (at input, typical)	≤7ns
Channel	2
Display	7" color LCD, 800 x 480 pixels
Input Impedance	1M $\Omega$ $\pm$ 2%, in parallel with 20pF $\pm$ 5pF
Channel Isolation	50Hz: 100 : 1, 10MHz: 40 : 1
Max Input Voltage	400V (PK - PK) (DC+AC, PK - PK)
DC Gain Accuracy	$\pm$ 3%
Record Length	10K
DC Accuracy (average)	Average $\geq$ 16: $\pm$ (3% reading + 0.05 div) for $\Delta V$
Probe Attenuation Factor	1X, 10X, 100X, 1000X
LF Respond (AC, -3dB)	$\geq$ 10Hz (at input, AC coupling, -3dB)
Sample Rate / Relay Time Accuracy	$\pm$ 100ppm
Interpolation	sin(x) / x
Interval ( $\Delta T$ ) Accuracy (full bandwidth)	Single: $\pm$ (1 interval time + 100ppm x reading + 0.6ns), Average $>$ 16: $\pm$ (1 interval time + 100ppm x reading + 0.4ns)
Input Coupling	DC, AC, and GND
Vertical Resolution (A/D)	8 bits (2 channels simultaneously)
Vertical Sensitivity	5mV/div - 5V/div (at input)
Trigger Type	Edge, Video
Trigger Mode	Auto, Normal, and Single
Trigger Level	$\pm$ 5 divisions from screen center
Line / Field Frequency (video)	NTSC, PAL and SECAM standard
Cursor Measurement	$\Delta V$ , and $\Delta T$ between cursors
Automatic Measurement	Vpp, Vavg, RMS, Frequency, Period, Vmax, Vmin, Vtop, Vbase, Width, Overshoot, Pre-shoot,

	Rise time, Fall time, +Width, -Width, +Duty, -Duty, Delay A→B  , Delay A→B  , area, cycle area	
Waveform Math	+, -, x, ÷, invert, FFT	
Waveform Storage	16 waveforms	
Lissajous	Bandwidth	Full bandwidth
Figure	PhaseDifference	±3 degrees
Communication Interface	USB host, USB device	
Frequency Counter	available	
Power Supply	100V - 240V AC, 50/60Hz, CAT II	
Power Consumption	< 15W	
Fuse	2A, T class, 250V	
Dimension (W x H x D)	301 x 152 x 70 mm	
Device Weight	1.10 kg	

Specifications subject to change without prior notice.

### Screenshot



### Physical Features

Ultra-thin side profile  
(Low depth)



Power socket  
located on the side

### Included Accessories



Power Cord



CD Rom



Manual



USB Cable



Probe



Probe Adjust

Art Nr.  
RND 360-00009