

Wave Rambler

Pen-type PC Oscilloscope

- + 25MHz bandwidth
- + 100MS/s sample rate
- + 5K record length
- + human engineering design
- + multi- action mode via creative trackball
- + multi- trigger option : edge, slope, and pulse
- + 5mV micro signal supported
- + USB bus powering, and optional USB isolation function
- + easy portability, pocket accommodated





The full DSO in your pocket

Pen-type design with easy portability, the ideal solution for on-site measurement.



Ergonomic comfortability

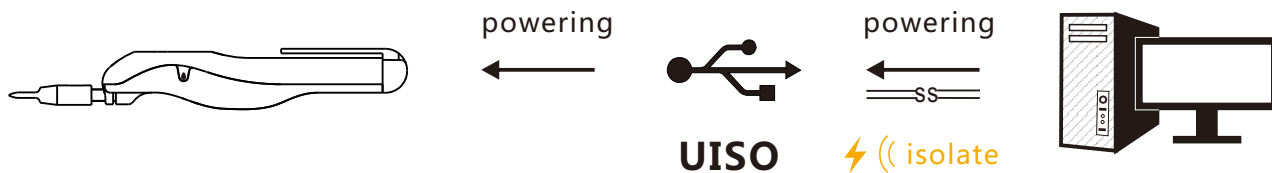
Less touch-pressure from U-shape curved surface, long-time operation also could be one kind enjoyment.



	<p>The zero voltage position, horizontal trigger position, and voltage base / time base could be adjusted by rolling the trackball, which makes the device- operation more comfortable, and convenient.</p>
	<p>Via trackball- clicking, get access to four function modes.</p>

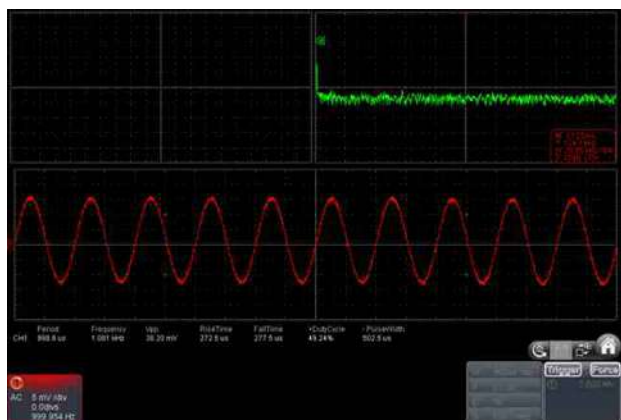
UISO function

Creative USB isolation function fulfills direct device- powering via USB port, and supports floating measurement (isolation voltage upto 1000V), making the operation more user-friendly, assuring safer T&M environment, and decreasing the interference to micro signal- measuring to the minimum.

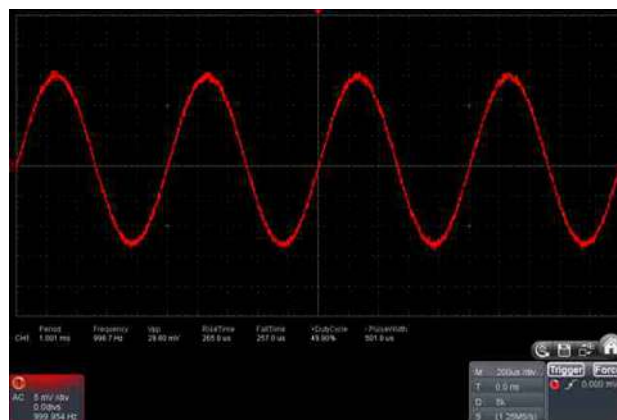


Quality DSO for you

auto-scale, FFT, and multi-trigger option available



FFT mode with waveform display



5mV micro signal supported

Performance Specifications

Model	RDS1021	RDS1021I
Bandwidth	25MHz	
Sample Rate	100MS/s	
Horizontal Scale (s/div)	5ns/div - 100s/div, step by 1 - 2 - 5	
Rise Time	≤ 14 ns	
Record Length	5K	
Input Coupling	DC, AC, and GND	
Input Impedance	10M Ω \pm 2%(X10), 1M Ω \pm 2%(X1)	
Input Capacitance	25pF \pm 5pF(X10), 45pF \pm 5pF(X1)	
Max Input Voltage	50V (PK - PK) (DC + AC, PK - PK)	400V (PK - PK) (DC + AC, PK - PK)
DC Gain Accuracy	$\pm 3\%$	
DC Accuracy (average)	average ≥ 16 : $\pm(3\% \text{ reading} + 0.05 \text{ div})$ for ΔV	
Analog Bandwidth	25MHz	
Probe Attenuation Factor	1X, 10X	
LF Respond (AC, -3dB)	≥ 10 Hz	
Interpolation	sin(x)/x	
Displacement	± 10 div	
Interval (ΔT) Accuracy (full bandwidth)	Single : $\pm(1 \text{ interval time} + 100\text{ppm} \times \text{reading} + 0.6\text{ns})$, Average >16 : $\pm(1 \text{ interval time} + 100\text{ppm} \times \text{reading} + 0.4\text{ns})$	
Vertical Resolution (A/D)	8 bits	
Vertical Sensitivity	5mV/div - 5V/div	

Performance Specifications

Model	RDS1021	RDS1021I
Trigger Type	Edge, Pulse, Slope	
Trigger Mode	Auto, Normal, Single	
Trigger Level	±5 divisions from screen center	
Acquisition Mode	Sample, Peak Detect and Average	
Cursor Measurement	ΔV and ΔT between cursors	
Automatic Measurement	Vpp, Vavg, Vrms, Freq, Period, Vmax, Vmin, Vtop, Vbase, Overshoot, Preshoot, Rise Time, Fall Time, +Width, -Width, +Duty, -Duty	
Waveform Math	FFT	
Communication Interface	USB2.0	
Dimension (W×H×D)	150 × 20 × 18 (mm)	
Weight (without package)	0.27 kg	

Specifications subject to change without prior notice.

The accessories subject to final delivery.



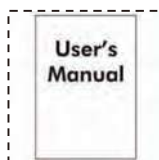
Grounding
Clamp



Protection
Cover



USB Cable



Manual



CD Rom

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