

Parameters

Model	DSO1C81	Coupling	AC/DC
Channel	1	Auto mode	yes
Screen	2.8 inch	Measure item	14 types
Sampling rate	250MSa/s	DC error	±3%
Bandwidth	80Mhz	Freq-meter	10Hz~30Mhz
Equivalent sample	500M	Save picture	yes
Rise time	<4ns	Freq-accuracy	±0.01%
Storage depth	480Kbit(60Kpts)	Pulse counter	yes
Impedance	1MΩ	FFT	yes
Time base	5ns – 10s	Generator	sin/square/triangular...
Vertical sensitivity	X1:10mV/div~10V/div X10:100mV/div~100V/div	Generator	3V
Max voltage	40V (x1) 220V (x10)	Vol / freq	1Hz~1MHz
Trigger mode	auto/normal/single	Dimensions	12 *8 *3.2cm
Trigger type	rise/fall	Resolution	320x240
Scan mode	YT /XY/ Roll	Language	Chinese/English
Persistence	none/1s / ∞	Charging	TYPE-C 5V
		Material	ABS

6-digit frequency meter

1.00000Khz

FPGA is used to achieve a 6-bit high-precision [hardware] frequency meter. It can accurately display the crystal oscillator frequency, such as 32.768kHz, etc.

There is also a pulse counter that can be used to count the number of pulses.



WOW

Signal Generator

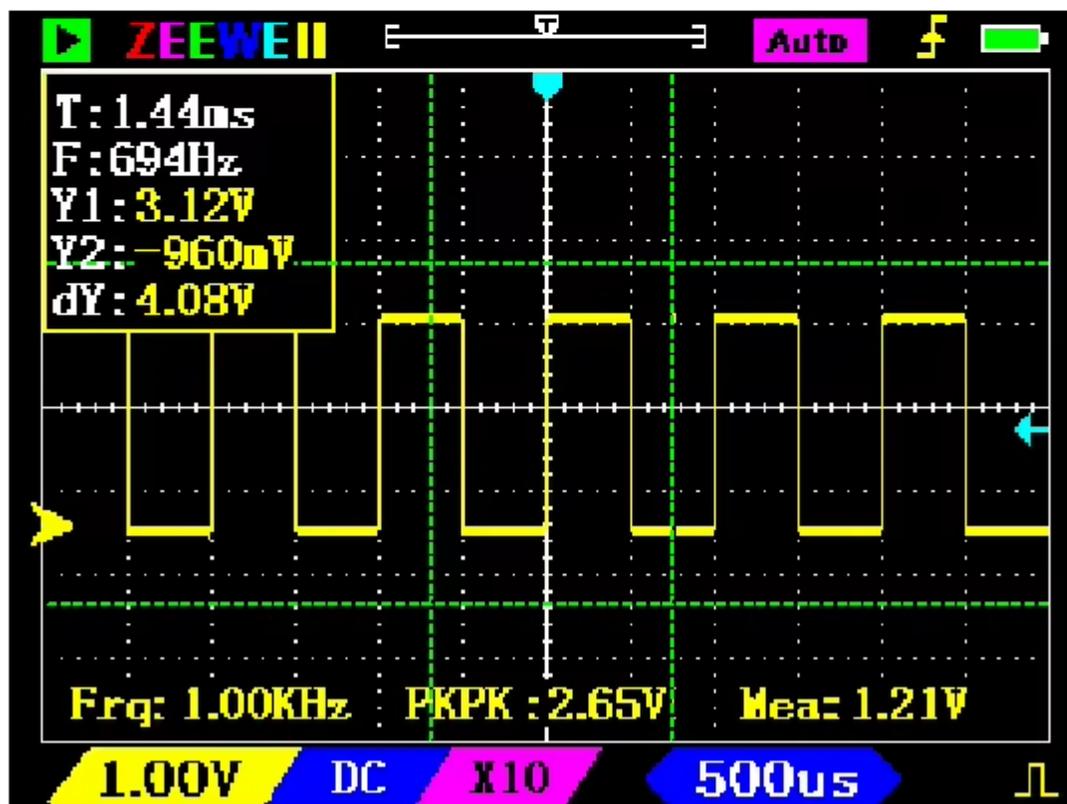
Frequency 2Mhz

Built-in signal generator, it can output sin wave, square wave, triangle wave, etc. The amplitude is fixed at 3V, and the frequency is adjustable from 0-2Mhz. It can be used for probe calibration, DIY circuit op amp debugging, auxiliary learning oscilloscope, etc.



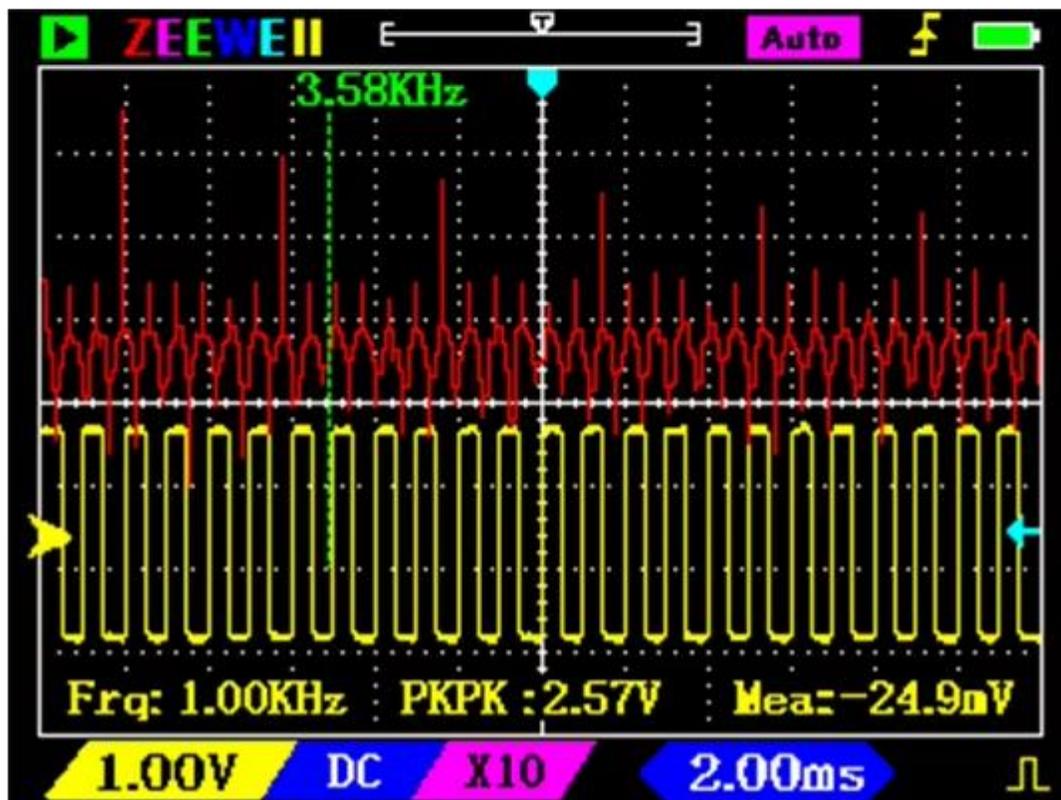
Cursor measurement

Support X/Y cursor, you can manually move the cursor to measure the time between the left and right cursors and the voltage between the upper and lower cursors.



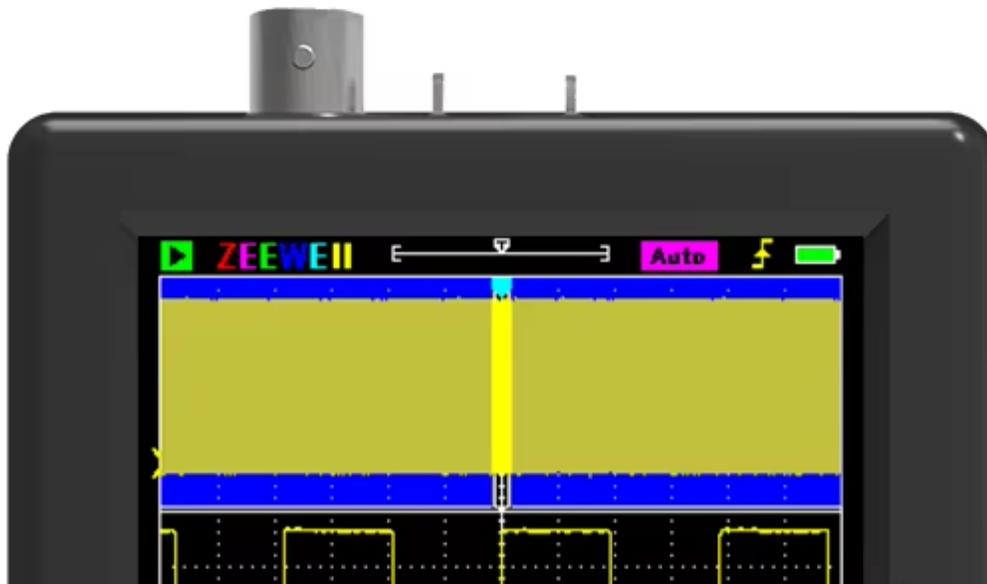
FFT Spectrum

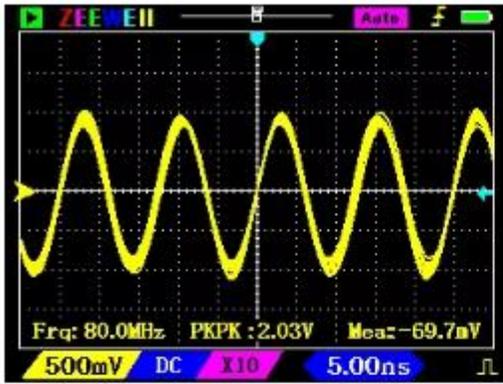
FFT adopts base-4 butterfly algorithm, which is faster than traditional base-2, with higher resolution and fast calculation speed, and supports measuring FFT frequency with cursor.



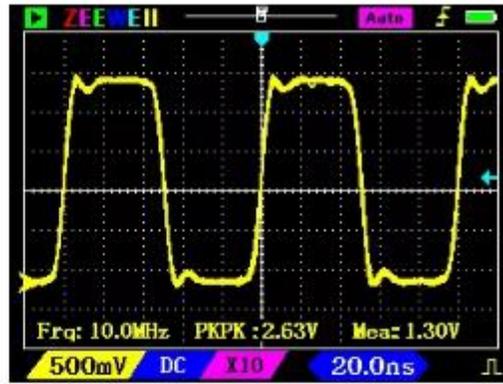
ZOOM mode

In Zoom mode, the screen is divided into two screens, the upper one is the large time base waveform, and the lower screen is the small time base waveform. It can be used for bus timing, amplitude modulation signal analysis etc.

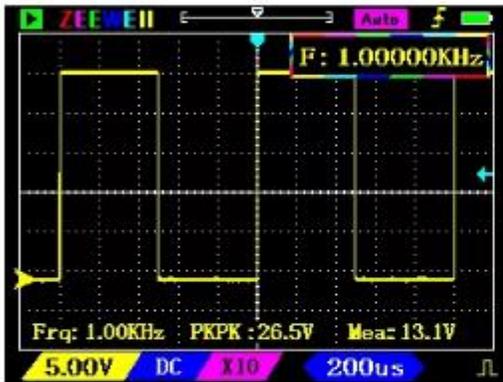




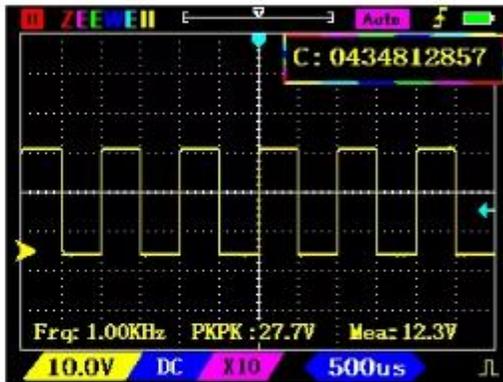
80MHz sin



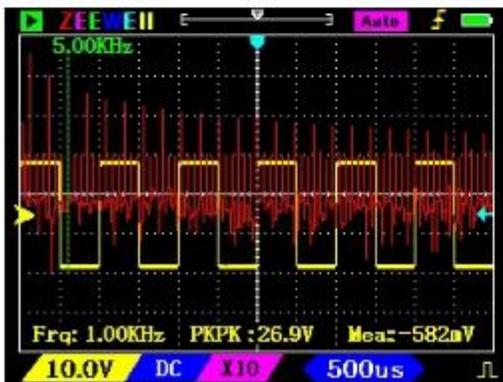
10MHz square



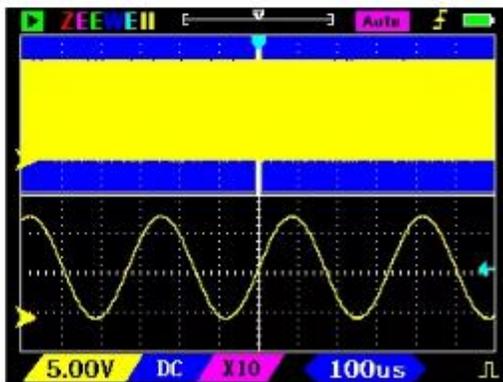
Frequency meter



Pulse counter



FFT

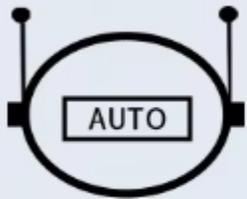


ZOOM mode

Advanced features

High bandwidth / multi-functional

Real 60Kpts storage depth/6-digit frequency meter



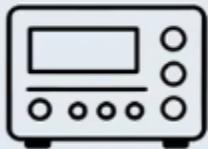
Fast Auto



Freq-meter



Pulse-counter



Signal generator



FFT



20M Litmit



Built-in Bat



Save picture



ZOOM