

# UTD1000C Series Handheld Digital Oscilloscope

## Introduction

UTD1000 oscilloscope provides user-friendliness, excellent technical indicators and many advanced functions. They are the perfect tools for combining oscilloscopes and multimeters to quickly and efficiently complete test tasks.

## Features

- 500Msa/s, 1Gsa/S Real-time sampling rate ;2 analog channels
- Bandwidth: 60100/200MHz
- Multimeter function 5999 display count
- Fine window extension; precise analysis of waveform details and overview
- Automatic measurement of 27 waveform parameters
- Unique waveform recording, storage and replay function
- Multilingual menu displays
- HD color 5.7 inch LCD panel at 320 x 240 pixel aspect ratio



● UTD1000C

## Application features



5999 display count Multimeter function



Recorded waveform replay

## Technical Specifications

Model	UTD1062C	UTD1102C	UTD1202C
Bandwidth	60MHz	100MHz	200MHz
Channels	2		
Sampling rate	250MS/s	500MS/s	1GS/s
Rise time	≤5.8ns	≤3.5ns	≤1.8ns
Memory depth	7.5kpts		
Vertical sensitivity	5mV/div~50V/div		
Time base scale	5ns/div-50s/div		2ns/div-50s/div
Storage modes	Setup, waveform, bitmap		
Trigger modes	Edge, pulse width, video and alternative		
Interfaces	USB host, USB OTG (UTD1202C Optional)		

## Multimeter Specifications

	Range	accuracy
DC voltage (V)	600mV/6V/60V/600V/1000V	±(1%+5)
AC voltage (V)(45Hz~400Hz)	600mV/6V/60V/600V/700V	±(1.2%+5), Frequency: < 200Hz ±(1.5%+5), Frequency: ≥ 200Hz
DC current (A)	6mA/60mA/600mA 6A	±(1.2%+5) ±(1.5%+5)
AC current (A)(45Hz~400Hz)	6mA/60mA/600mA 6A	±(2%+5) ±(2.5%+5)

Resistance ( $\Omega$ )	6k $\Omega$ /60k $\Omega$ /600k $\Omega$	$\pm(1.2\%+5)$
	600 $\Omega$ /6M $\Omega$ /60M $\Omega$	$\pm(1.5\%+5)$
Capacitance (F)	6nF/6mF	$\pm(5\%+10)$
	60nF/600nF/6 $\mu$ F/60 $\mu$ F/600 $\mu$ F	$\pm(4\%+5)$
Display count	6000	
Auto range	$\sqrt{\quad}$	
<b>General Characteristics</b>		
Power	Li-ion battery: 7.4V 4400mAh; DC adapter: 100~240V 50/60Hz input, 9V/4A output	
Display	5.7 inches TFT LCD, QVGA (320x240)	
Product color	1.8kg	
Product size	268mm x 168 mm x 60mm	
Standard quantity per carton	4pcs	
Standard carton measurement	500mm x 400mm x 320mm	
Standard carton gross weight	16.7kg	
<b>Ordering Information</b>		
UTD1000C Series	UTD1202C(200MHz, 7.5Kpts, 1GS/s, 2-Channel)	UTD1202C
	UTD1102C(100MHz, 7.5Kpts, 500MS/s, 2-Channel)	UTD1102C
	UTD1062C(60MHz, 7.5Kpts, 250MS/s, 2-Channel)	UTD1062C
Standard Accessories	Power cord	—
	Passive Probe x 2 (1 x, 10 x switchable, 100MHz, )	UT-H04
	Passive Probe x 2 (1 x, 10 x switchable, 200MHz, )	UT-H05
	1 Voltage/current converter: Range: 4mA-600mA,	UT-M03
	1 Voltage/current converter: Range: 4A/6A,	UT-M04
	1 DC adapter	—
1 Multimeter probes Test lead	—	

Para mayor información puede consultar el manual de usuario dando clic en el siguiente enlace:  
<http://unitrend.oss-cn-hongkong.aliyuncs.com/upload/file/20210530/UTD1000C%20Users%20Manual%20V1.01.pdf>