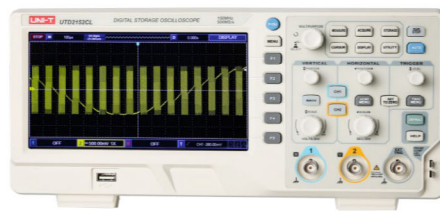


UTD2000CL Series Digital Storage Oscilloscope



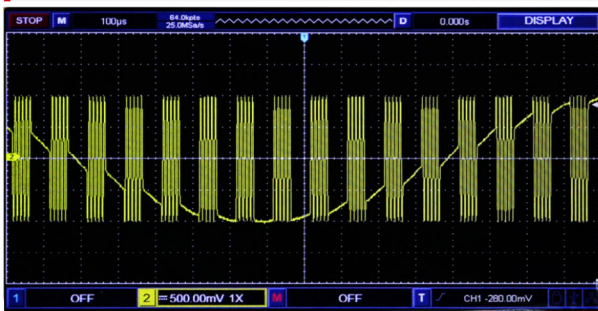
◆ Introduction

The New UTD2000CL series is an economical desktop digital storage oscilloscope that meets the key requirements of basic measurement. The simple and clear front panel design is more convenient for users to operate. UTD2000CL series is equipped with 70MHz/150MHz bandwidth, real-time sampling rate is 500MS/s, 2 models are provided with dual channels, standard storage depth is 64kpts

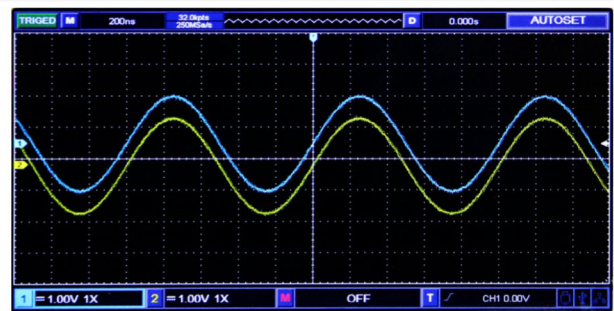
◆ Features

- 70MHz/150MHz bandwidth
- 2 channels, low noise floor, wide vertical range: 1mV/div~20V/div
- Memory depth: 64kpts
- System software upgrade via USB drive
- 7 inches TFT LCD
- Supports plug-and-play USB storage device, communication with and remote control of computer through the USB device

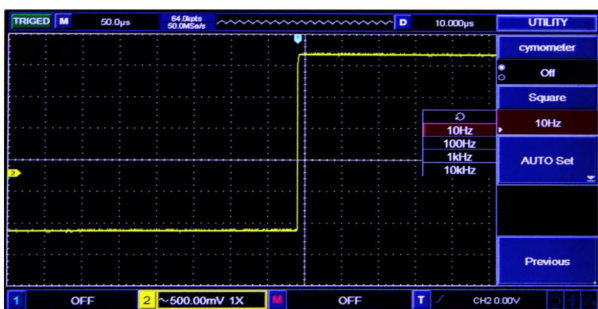
Application features



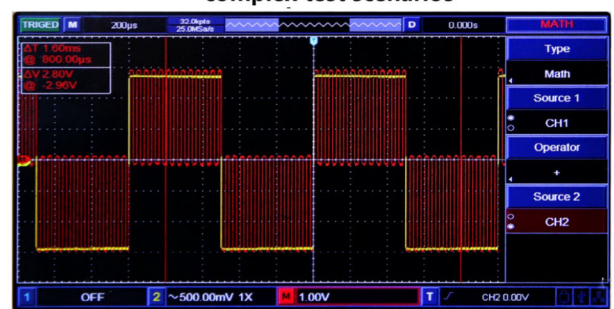
Wider display range 8div×16div



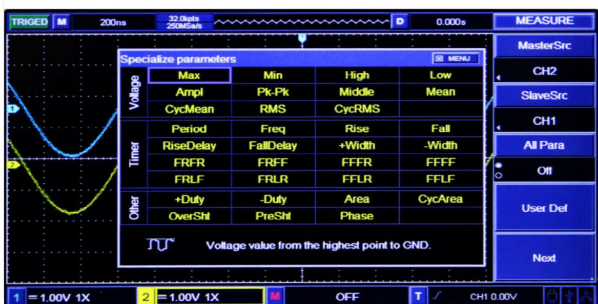
New autoset function, easy to handle complex test scenarios



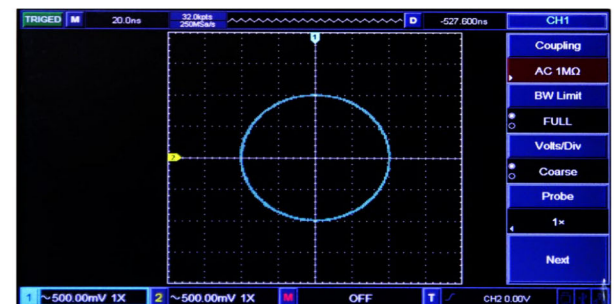
Multiple frequency output standard square wave optional



Abundant math functions: math operation, FFT, digital filtering



Automatic measurement of waveform parameters



Lissajous figure phase measurement

Technical Specifications

| Model | UTD2072CL | UTD2152CL |
|-------------------------|--|-----------|
| Channels | 2 | |
| Bandwidth | 70MHz | 150MHz |
| Sampling rate | 500MS/s | |
| Rise time | < 5ns | <2.4ns |
| Memory depth | 64kpts | |
| Waveform capture rate | >5, 000wfms/s | |
| Vertical scale (V/div) | 1mV/div~20V/div | |
| Time base scale (s/div) | 2ns/div~50s/div | |
| Timing accuracy | $\leq \pm (50+2 \times \text{service life})$ ppm | |
| Time base modes | Y-T, X-Y, Roll | |
| Storage methods | Setup, wave, bitmap | |
| Trigger types | Edge, pulse, alternate, slope, video | |
| Mathematical operations | A+B, A-B, A×B, A/B, FFT | |
| Auto measurements | Max, Min, High, Low, Ampl, Pk-Pk, Middle, Mean, CycMean, RMS, C ycRMS, Period, Freq,Rise, Fall, RiseDelay, FallDelay, +Width, -Width, +Duty, -Duty,(UTD2052/25CL)FRR, FRF, FFR, FFF, LRF, LRR, LFR, LFF, Area, CycArea, OverSht, PreSht, Phase, 34 parameters in total | |
| Number of measurements | Display 5 measurements at the same time | |
| Frequency counter | 6 bits | |
| Standard interfaces | USB OTG, Pass/Fail | |

General Characteristics

| | |
|------------------------------|-----------------------|
| Power | 100-240V AC, 45-440Hz |
| Display | 100-240V AC, 45-440Hz |
| Product color | White and grey |
| Product net weight | 2.5kg |
| Product size (W×H×D) | 306mm×138mm×124mm |
| Standard quantity per carton | 2pcs |
| Standard carton size | 450mm x 420mm x 280mm |
| Standard carton gross weight | 8kg |

Ordering Information

| | |
|----------------------|---|
| UTD2000CL Series | UTD2152CL (150MHz, 500MS/s, 64kpts, 2-Channel), UTD2152CL |
| | UTD2072CL (70MHz, 500MS/s, 64kpts, 2-Channel), UTD2072CL |
| Standard Accessories | Power cord conforming to the standard of the destination country |
| | USB interface cable(UTD2152CL,UTD2072CL), UT-D14 |
| | Passive probe x 2 (1 x, 10 x switchable, 200MHz)UTD2152CL, UT-P05 |
| | Passive probe x 2 (1 x, 10 x switchable, 100MHz)UTD2072CL, UT-P04 |