

Datasheet

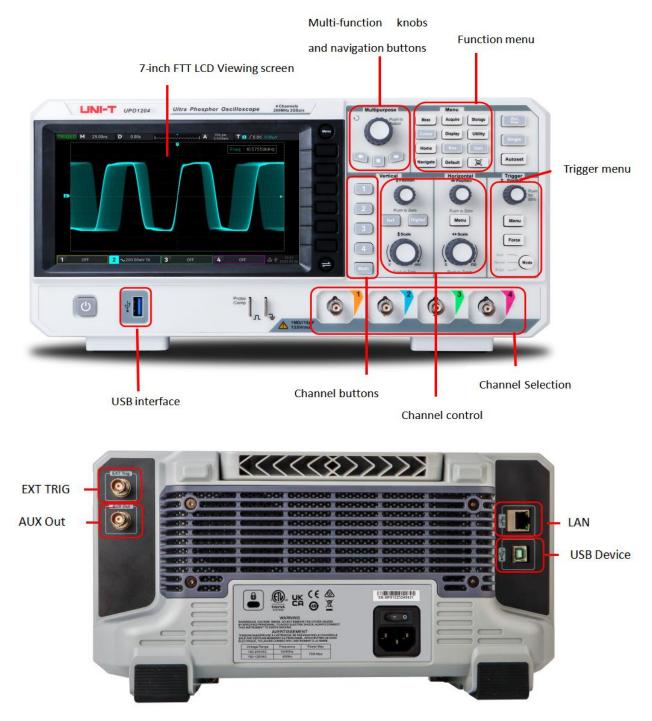
UP01000 Series Digital Phosphor Oscilloscope



Features and Merits

- Analog channel bandwidth: 200MHz, 100MHz, 50MHz
- Analog channel number: 4
- Maximum sampling rate: 2GSa/s
- Vertical scale: 500µV/div-20 V/div
- Low-base noise :<100µVrms
- Maximum storage depth up to 56Mpts
- Waveform capture rate of up to 500,000 wfms/s
- The hardware can be continuous waveform recording 120,000 frame in real time
- Automatic measurement of 36 waveform parameters, the measurement range divides into screen and cursor area
- Supports 7 digits hardware frequency meter measurement
- DVM supports AC/DC TRMS (true virtual value) measurement
- Waveform calculation function (FFT, add, subtract, multiply, divide, digital filter, logical operation and advanced operation)
- 1M sampling points to enhance FFT function, it supports frequency setting, waterfall curve, demodulation mode and marker measurement
- Multiple trigger functions (edge, pulse width, video, slope, runt pulse, over-amplitude pulse, delay, timeout, duration, setup hold, Nth edge and code pattern)
- Supporting RS232, I²C, SPI trigger
- Innovative RS232, I²C, SPI full memory hardware for real-time decoding
- Ultra phosphor display effect, 256 grayscale display
- 7 inch WVGA (800×480) TFT LCD
- Multiple interfaces: USB Host, USB Device, LAN, EXT Trig, AUX Out (Trig Out, Pass/Fail, DVM)
- Supporting waveform navigation, marker and segment
- Supporting SCPI programmable standard command
- Support WEB access and control

Panel Structure



Product Introduction

UP01000 series digital phosphor oscilloscope adopts UNI-T 3D technique Ultra Phosphor 2.0 with new appearance upgrade and the function of deep storage, high waveform capture rate, real-time waveform recording and playback and 256-level grayscale display.

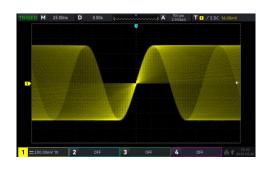
The series is equipped with three levels of bandwidth of 50MHz/100MHz/200MHz, real-time sampling rate up to 2GSa/s. The whole series are equipped with 4 channels, the maximum storage depth is 56Mpts, up to 500,000wfms/s in Fast Acquire mode. Hardware real-time waveform uninterrupted recording and waveform analysis up to 120,000 waveform frames; support independent DVM module, rich trigger and bus decoding functions, and support full memory hardware real-time decoding.

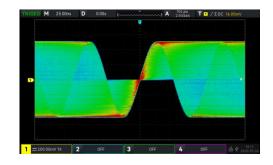
It widely used in many fields, including communication, semiconductor, computer, IC design, instrumentation, industrial electronics, consumer electronics, automotive electronics, field maintenance and R&D/education.

Design Highlights

1. 256 grayscale display

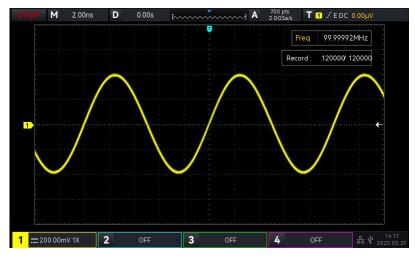
Use the original Ultra Phosphor technique to display the waveform details.





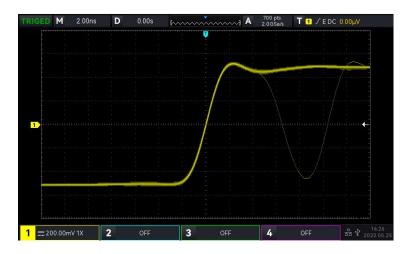
2. Hardware real-time recording up to 120,000 frames

UP01000 can record up to 120,000 frames in real time.



3. The waveform capture rate up to 500,000 wfms/s

Use the innovative digital signal parallel processing technique, normal sampling up to 150,000wfms/s, capture the accidental signal. (In Fast Acquire mode, the capture rate up to 500,000 wfms/s.)



4. The maximum storage depth 56Mpts

It is convenient for the oscilloscope to maintain the high sampling rate in a wider time base range, while taking into account the overall waveform and detail. It greatly improving the capture rate of abnormal waveform.



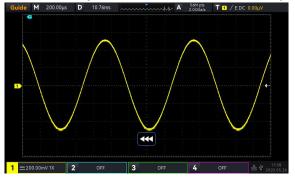
5. Cursor Area

When the Cursor is opened, the waveform in cursor area can process the parameter measurement. It is convenient for user to process the waveform measurement in the specified area, it enhances the flexible and operability for the measurement area.

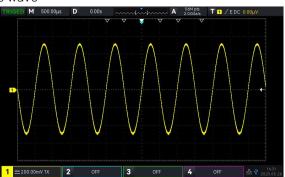
| TRIGED | M | 20.00µs | D | 0.00s | 6~~ | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | A 6 | 560K pts 2.0GSa/s | Т 1 / Е | D Measure | |
|--------|---------|-----------------|---------------------------------------|--------------------------------|--------------------------------------|---|--------------------|--------------------------------|----------------------------|----------------|----------|
| | x | А -60.00µs | В 60.00µs | А-В | 16 AV 0 | Ţ | | Freq | 9.999986kHz | MasterSr | C CH1 |
| | Voltage | | 1.54V 1.54V 3.02V | Min Pk-Pk RMS | -1.52V 3.06V 1.50V | High Middle CycRMS | 1.52V 10.00mV | Low Mean AC RMS | -1.50V 35.25mV 1.50V | SlaveSrc | CH1 |
| | Timer | Period RDelay C | 100.40µs 0.00s 0.00s 50.80µs | Freq FDelay FRFF FRLR | 9.96kHz 0.00s -49.60µ 0.00s | Rise +Width | 400.00ns | Fall -Width FFFF FFLF | 400.00ns | All Para | ON |
| 1 | Other | | 50.60% | -Duty PreSht | 49.40% 0.67% | Area Phase | 180.00µV -0.00° | s CycArea Pulse | a 150.41µVs 1 | User D | ef |
| | | | | | | | | | | Clear D ≖ | ef |
| | | | | | | | | | | Statistic ∢ | OFF |
| 1 5 | 500.00r | nV 1X | 2 | OFF | | 3 0 |)FF | 4 | OFF | → N | ext |

6. Waveform Navigation

Navigation includes time navigation, marker navigation and segment navigation. User can select the different navigation mode to observe and analysis the wave



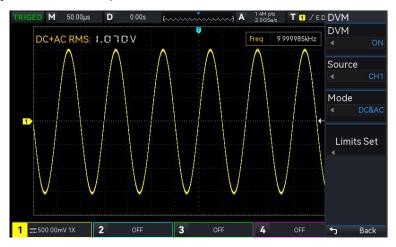
Waveform Navigation



Marker Navigation

7. DVM (Digital Voltage Meter)

UP01000 series has built-in DVM (Digital Voltage Meter), it will sound a warning when the range is accord with or over the specified range. It provides the more accurate measurement and to comprehensively improve the counting measurement experience for user.



8. Cursor Measurement

It can measure time and voltage of CH1, CH2, CH3, CH4, MATH, and REF at the same time.



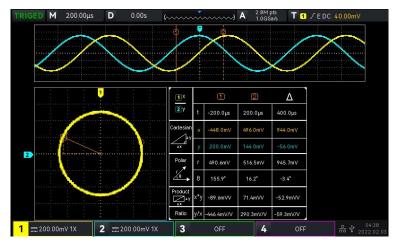
9. File Management

UP01000 series adds a new file management function. User can save the waveform, settings, picture to the specified Local file or the file in external USB.



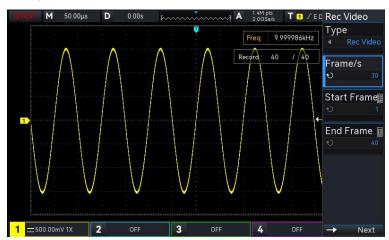
10. XY Mode

In XY mode, X axis and Y axis represents the voltage value. The oscilloscope converts the two input channels from voltage-time display to voltage-voltage display. Use Lissajous method can be easily measure the difference value between two signals with the same frequency. XY mode supports the automatic measurement of the polar coordinates and time coordinates.



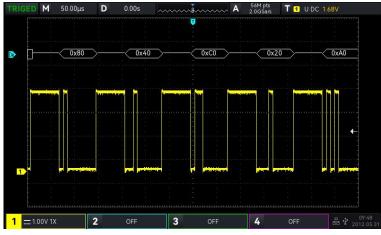
11. Recording converts to video

When the recording waveform is completed, the recorded waveform can save to USB. The waveform can be played back and observed on the PC, which is convenient for users to import the waveform into the PC and improve the user experience.



12. Lin bus trigger and decoding

The innovative hardware decoding enables real-time decoding.



The decoding rate is greatly improved. Full-memory hardware decoding with deep storage 56Mpts improves the decoding time from tens of seconds to milliseconds, realizes real-time decoding, and greatly improves the efficiency of problem diagnosis for users.

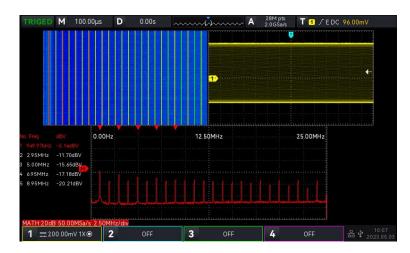
| D |)0000 | 0-0001 | | ННННН s:RS232 | 0000000 | | | 0-0-0-0-0-0 |
|---|------------------|---------------------------------------|----|------------------|---------|-------|---------------------------------------|--|
| | | | | TIME | DATA | CHECK | | |
| | | | 1 | 142.1us | 0x18 | 01 | · · · · · · · · · · · · · · · · · · · | |
| | | | 2 | 281.1us | 0x1 | 01 | | |
| | | • • • • • • • • • • • • • • • • • • • | 3 | 420.1us | 0x2 | 01 | | |
| | | | 4 | 559.1us | 0x3 | 01 | | |
| | | and second | 5 | 698.1us | 0x4 | 01 | | ere <mark>ere serere ander er</mark> e |
| | | | 6 | 837.1us | 0x5 | 01 | | |
| | | | 7 | 1.0ms | 0x19 | 01 | | |
| | | | 8 | 1.2ms | 0x1 | 01 | | |
| | ▋▙▐▖▌▖▙ | | 9 | 1.3ms | 0x2 | 01 | | |
| | | | 10 | 1.4ms | 0x3 | 01 | | |
| | | | 11 | 1.6ms | 0x4 | 01 | | |
| | | | | | | | | |

- (1) The waveform refresh rate will not be effect while decoding and the waveform display with digital phosphor;
- (2) The event list can display the decoding data under the deep storage and time of data packet;
- (3) The recorded waveform is also support full memory hardware real-time decoding.

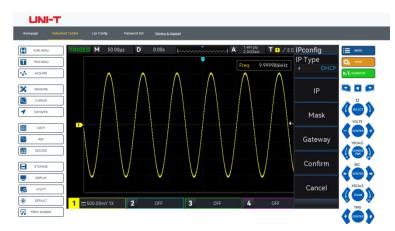
13. 1M sampling rate to enhance FFT

It can set the frequency range, demodulation mode and spectrum marker, waterfall curve, automatic mark peak and user-preset function It is convenient for analyzing frequency domain.





14. Remote control via Web



Built-in Web Server can remote control, observe waveform, acquire the measured results of the oscilloscope through the browser. It can be applied to the scenario of remote monitoring, telecommuting and data sharing. It can realize cross-platform control without installing driver software and host computer software. The built-in virtual control panel and oscilloscope panel is exactly the same, support PC web layout, and it is more simple and convenient to use.

Technical Index

All specifications are guaranteed except those marked "TYPICAL".

Unless otherwise stated, all technical index are applicable to probes with attenuation switches set to 10× and UP01000 series digital phosphor oscilloscope. In order to achieve these specifications, the oscilloscope must satisfy the following two conditions at first.

- The instrument must operate continuously for more than 30 minutes at the specified operating temperature.
- If the operating temperature range reaches or exceeds 5 degrees Celsius, the system function menu must be opened to perform the self-calibration function.

| Brand Series | UNI-T UP01000 | |
|-------------------------|--|--|
| Sample | | |
| Sampling methods | Real-time sampling | |
| Acquisition mode | Sampling, peak detection, high resolution, averaging | |
| Real time sampling rate | 2GSa/s(single channel), 1GSa/s(dual channels), 500MSa/s(four channels) | |
| Average | Average: 2, 4, 8, 16, 32, 64, 128, 256, 512, 1024, 2048, 4096, 8192 | |
| Maximum Memory Depth | 56Mpts | |
| Input | | |
| Channels | 4 | |
| Coupling | DC, AC, GND | |
| Impedance | (1MΩ±2%) ∥ (16 pF±2 pF) | |
| Probe attenuation | 0.001×, 0.01×, 0.1×, 1×, 10×, 100×, 1000×,2000× ,Custom | |
| Max. Input voltage | 400V(DC+ACVpk)Max | |
| Vertical System | | |
| Bandwidth (-3 dB) | UP01054: DC to 50MHz UP01104: DC to 100MHz UP01204: DC to 200MHz | |
| Single bandwidth | UP01054: DC to 50MHz UP01104: DC to 100MHz UP01204: DC to 200MHz | |
| Vertical Resolution | 8-bit | |
| Vertical Scale | 500μV/div to 20 V/div | |
| Offset range | 500μV/div~50mV/div: ±2V 100mV/div~500mV/div: ±20V 1V/div~5V/div: ±200V 10V/div~20V/div: ±400V | |
| Bandwidth Limit | 20 MHz | |
| Low frequency | ≤5 Hz (On the BNC) | |

| response (AC coupling, -3dB) | | | | |
|--|--|--|--|--|
| Rise time | UP01054: ≤7ns UP01104: ≤3.5ns UP01204: ≤1.8ns (The typical rising time of 1mV/div and 2mV/div is 2ns) | | | |
| DC Gain Accuracy | <10mV: ±4.0% full scale ≥10mV: ±3.0% full scale | | | |
| DC offset accuracy | ≤±(2%+0.1div+2mV) | | | |
| SFDR including harmonics | DC to maximum bandwidth: >40 dB | | | |
| Horizontal System | | | | |
| Time base Scale | 1ns/div to 1000s/div (Display current sampling rate, storage depth) | | | |
| Time base accuracy | ±5 ppm initial accuracy; ±1ppm annual aging rate | | | |
| Scope of delay | Pre-trigger (negative delay) : ≥1 screen width Post-trigger (positive delay) : 1 s to 50s | | | |
| Display Format | Y-T, X-Y (CH1-CH2, CH1-CH3, CH1-CH4, CH2-CH3, CH2-CH4, CH3-CH4), Roll | | | |
| number of X - Y | Υ-Υ 1 | | | |
| Hardware real-time waveform recording and playback | 120,000 frames | | | |
| Waveform Capture Rate | 150,000 wfms/s | | | |
| | 500,000 wfms/s(Fast Acquire mode) | | | |
| Trigger | | | | |
| Trigger level range | Inside: ± 5 Spaces from center of screen External: EXT ± 9 V | | | |
| Trigger Mode | Auto, Normal, Single | | | |
| Hold off Range | 80 ns to 10 s | | | |
| | DC: Passes all components of the signal | | | |
| | AC: The direct current component that blocks the input signal | | | |
| Trigger coupling | HFRJ: Attenuates the high-frequency components above 40kHz | | | |
| nigger couping | LFRJ: Blocks the DC component and attenuates the low-frequency components below 40kHz | | | |
| | Noise suppression: The high frequency noise in the signal is suppressed to reduce the probability of oscilloscope being triggered by mistake | | | |
| Edge Trigger | | | | |
| Slope | Rise, Fall, Any | | | |
| Runt Set | | | | |
| Pulse width conditions | >, <, <>, none | | | |
| Polarity | +wid , -wid | | | |
| Pulse width range | 8 ns to 10 s | | | |

| Window Set | |
|---------------------|----------------------|
| Туре | Rise, Fall, Any |
| Trigger position | Enter, Exit, Time |
| Time | 8 ns to 10 s |
| Nth Edge | |
| Edge type | Rise, Fall |
| Free time | 8 ns to 10 s |
| Edge number | 1 to 65535 |
| Delay triggers | |
| Edge type | Rise, Fall |
| Delayed type | >, <, <>, none |
| Delay time | 8 ns to 10 s |
| Timeout triggers | |
| Edge type | Rising, Falling, Any |
| Timeout | 8 ns to 10 s |
| Pattern triggers | |
| Pattern Setting | H, L, X, Rise, Fall |
| Duration trigger | |
| Type set | H, L, X |
| Trigger condition | >, <, <> |
| Duration | 8 ns to 10 s |
| Setup Hold trigger | |
| Edge type | Rise, Fall |
| Data type | H, L |
| Setup time | 2 ns to 4s |
| Hold time | 8 ns to 10 s |
| Pulse trigger | |
| Polarity | +Wid , -Wid |
| Limiting conditions | >, <, <> |
| Pulse width | 2 ns to 4 s |
| Slope trigger | |

| Conditions of the slope | Positive slope, Negative slope |
|---|---|
| Limiting conditions | >, <, <> |
| Time set | 8 ns to 1s |
| Video Trigger | |
| Signal system line frequency range | Supports standard NTSC, PAL, and SECAM broadcast systems with line counts ranging from 1 to 525 (NTSC) and 1 to 625 (PAL/SECAM) |
| Decoding | |
| Types of decoding | RS232/UART, I2C, SPI |
| Decoding the number | 1 |
| RS232 / UART trigger | |
| Trigger condition | Start Frame ,Frame Error , Check Error, Data |
| Baud rate | 2400bps, 4800bps, 9600bps, 19200bps, 38400bps, 57600bps, 115200bps, 230400bps, 460800bps, 921600bps, 1382400bps, 1843200bps, 2764800bps, Custom |
| Data bits wide 5 bits, 6 bits, 7 bits, 8 bits | |
| I2C trigger | |
| Trigger condition | Start, Restart, Stop, Loss confirmation, Address, Data, Address& Data |
| Address bits wide | 7 bits, 10 bits |
| Address range | 0 ~ 127, 0 ~ 1023 |
| Bytes | 1 to 5 |
| SPI trigger | |
| Trigger condition | ldle, ldle& Data, SS, SS& Data |
| Free time | 80 ns to 10s |
| Data bits | 4 bits to 32 bits |
| Data set | Η, L, X |
| Edge of the clock | Rise, Fall |
| Measure | |

| Cursor | Cursor Manual mode: Voltage difference between cursors (△V) Time difference between cursors (△T) Inverse of △T (Hz)(1/△T) Trace mode: waveform point voltage value and time value |
|--|---|
| Allows the cursor to be displayed during automatic measurements | allow |
| Automatic measurement | Max, Min, High, Low, ampl, Pk- Pk, Middle, Mean, Cycmean, RMS, CycRMS, AC RMS, Period, Freq, Rise, Fall, RiseDelay, FallDelay, +Width, -Width, FRFR, FRFF, FFFR, FFFF, FRLF, FRLR, FFLR, FFLF, +Duty, -Duty, Area, CycArea, Oversht, Presht, Phase, Pulse, a total of 36 measurement parameters; |
| Number of measurements | 5 measurements are displayed simultaneously |
| Measuring range | Screen or cursor |
| Measurement statistics | Mean, maximum, minimum, standard deviation and number of measurements |
| Frequency meter | 7 digits hardware frequency meter |
| XY measurement | Support time, cartesian coordinates, polar coordinates, product and scale display |
| Mathematical operations | ; |
| Waveform calculation | A+B, A-B, A×B, A/B, FFT, Editable advanced operations (Log, Exp, Sin, Cos, Tan, Sqrt), Logical operations |
| Maximum FFT points | 1M points |
| FFT window type | Rectangle, Hanning, Blackman, Hamming, FlatTop |
| FFT display | Split screen, Fullscreen, Independent, WaterFall-1, WaterFall-2 |
| FFT vertical scale | Vrms, dBVrms |
| FFT | Spectrum Range Settings: Start Frequency, End Frequency, Center Frequency, Sweep Width |
| | Detection mode: Normal, Average, Maximum Hold, Minimum Hold |
| | Tags: Tag type, Tag Trace, Tag Maximum number of points, Event List |
| Digital filtering | Low pass, High pass, Band pass, Band stop |
| Logical operations | And, OR, NOT,XOR |

| Mathematical function | Log, Exp, Sqrt, Sine, Cosine, Tangent |
|--------------------------|---|
| Storage | |
| Set | Inside and Outside |
| Waveform | Inside and Outside |
| Bitmap | External USB memory, and can store related parameter information. |
| Display | |
| Display type | 7-inch TFT |
| Resolution of display | 800×480 |
| Display color | 24 - bit true colors |
| Afterglow setting | Minimum value, 50ms, 100ms, 200ms, 500ms, 1s, 2s, 5s, 10s, 20s, infinite,DS0 |
| Display type | Point, vector |
| Interface | |
| Standard | USB Host, USB Device, LAN, EXT Trig, AUX Out(Trig Out/,Pass/Fail、 DVM) |
| General technical specif | cations |
| Probe compensator outp | but |
| Output voltage | About 3Vp-p |
| Frequency | 10Hz,100Hz,1kHz,10kHz |
| Power supply | |
| Power supply voltage | 100~240VACrms(Fluctuations: ±10%), 50Hz/60Hz 100~120VACrms(Fluctuations: ±10%), 400 Hz |
| Power | 75VA Max |
| Fuse | 2.5A, F class, 250V |
| Environment | |
| Temperature range | Operation: 0℃~+40℃ No operation: -20℃~+70℃ |
| Cooling method | Forced fan cooling |
| Humidity range | Operation: +35 $^{\circ}$ C \leq 90% relative humidity No operation: +35 $^{\circ}$ C to +40 $^{\circ}$ C \leq 60% relative humidity |
| Altitude | Operation: below 3000 meters Non-operational: up to 15,000 m |

| Pollution degree | 2 | | | | |
|---|---|------------------------------------|---|--|--|
| Operating environment | Indoor use | | | | |
| Specifications | | | | | |
| Size (Width x height x depth) | 306mm×138mm×107mm | | | | |
| weight | 2.45 kg | | | | |
| Adjust the interval Calibration interval is recommended | One year | | | | |
| Standard | | | | | |
| | | | n line with or better than 3-2-1:2021/EN61326-2-1:2021 | | |
| | Conduction disturbance | CISPR 11/EN 55011 | CLASS B group 1 , 150kHz-30MHz | | |
| | Radiated disturbance | CISPR 11/EN 55011 | CLASS B group 1 , 30MHz-1GHz | | |
| | Electrostatic discharge (ESD) | IEC 61000-4-2/EN 61000-4-2 | 4.0 kV (contact), 8.0 kV (air) | | |
| Electromagnetic | Radio-frequency electromagnetic field Immunity | IEC 61000-4-3/EN 61000-4-3 | 0V/m (80 MHz to 1 GHz) 3V/m (1.4 GHz to 2 GHz) 1V/m (2.0 GHz to 2.7GHz) | | |
| compatibility | Electrical fast transients (EFT) | IEC 61000-4-4/EN 61000-4-4 | 2kV (Input AC Power Ports) | | |
| | Surges | IEC 61000-4-5/EN 61000-4-5 | 1kV(Line to line) 2kV(Line to ground) | | |
| | Radio-frequency continuous conducted Immunity | IEC 61000-4-6/EN 61000-4-6 | 3V,0.15-80MHz | | |
| | Voltage dips and interruptions | IEC 61000-4-11/EN 61000-4-11 | Voltage Dips: 0% UT during 1 cycle 40% UT during 10/12 cycles 70% UT during 25/30 cycles Short interruption: 0% UT during 250/300 cycles | | |
| Safety | EN61010-1:2010+A1:2019 EN IEC61010-2-030:2021+A11:2021 BS EN61010-1:2010+A1:2019 BS EN IEC61010-2-030:2021+A11:2021 UL61010-1:2012 Ed.3+ R:19 Jul2019 UL61010-2-030:2018 Ed.2 CSA C22.2#61010-1:2012 Ed.3+U1;U2;A1 CSA C22.2#61010-2-030:2018 Ed.2 | | | | |

Accessories and Optional

Order Information

| | Description | Order No. |
|-------------|---|--|
| | UPO1054(50MHz, 4 analog channels) | UP01054 |
| Model | UP01104(100MHz, 4 analog channels) | UP01104 |
| | UP01204 (200MHz, 4 analog channels) | UP01204 |
| Standard | Power cord that conforms to the standard of the destination country (1) | |
| accessories | USB data cable (1) | UT-D04 |
| | Passive probe (200MHz/100MHz/50MHz)(4) | UT-P05/UT-P04/UT-P03 |
| | High voltage probe | UT-V23, UT-P20, UT-P21 |
| Optional | High-Voltage Differential Probes | UT-P30, UT-P31,UT-P32, UT-P33, UT-P35, UT-P36 |
| accessories | Current Probe | UT-P40, UT-P41, UT-P42, UT-P43, UT-P44 |
| | bandwidth upgrade to 200M | MS0/UP01000X-1MT2M |

Note: All mainframes, accessories and options can be ordered from your local UNI-T dealer.

UNI-T oscilloscope probes and accessories supported by UP01000 series

Passive probe

| Model | Туре | |
|---------|----------------------------|---|
| UT-P01 | High impedance probe | 1X: DC ~ 8 MHz 10X: DC ~ 25 MHz Oscilloscope compatibility: UNI-T all series |
| UT-P03 | High impedance probe | 1X: DC~8 MHz 10X: DC~60 MHz Oscilloscope compatibility: UNI-T all series |
| UT-P04 | High impedance probe | 1X: DC ~ 8 MHz 10X: DC ~ 100 MHz Oscilloscope compatibility: UNI-T all series |
| UT-P05 | High impedance probe | 1X: DC ~ 8 MHz 10X: DC ~ 200 MHz series Oscilloscope compatibility: UNI-T all |
| UT-P06 | High impedance probe | 1X: DC ~ 8 MHz 10X: DC ~ 300 MHz Oscilloscope compatibility: UNI-T all series |
| UT-P07A | High impedance probe | 10X:DC~500MHz Input resistance: 10MΩ Maximum safe operating voltage: <600V pk Oscilloscope compatibility: UNI-T all series |
| UT-P08A | High | 10X:DC ~ 350MHz |

| | impedance probe | Input resistance: 10MΩ Maximum safe operating voltage: <600V pk Oscilloscope compatibility: UNI-T all series |
|--------|----------------------------|--|
| UT-P20 | High impedance probe | DC ~ 100MHz Probe coefficient 100:1 Maximum operating voltage 1500 Vrms Oscilloscope compatibility: UNI-T all series |
| UT-V23 | High voltage probe | DC ~ 100MHz Probe coefficient 100:1 Input resistance 100 MΩ±2% Maximum operating voltage 2000 Vpp Oscilloscope compatibility: UNI-T all series |
| UT-P21 | High voltage probe | DC~50 MHz Probe coefficient 1000:1 Maximum operating voltage DC 15 kVrms, AC 10 kV(sine wave) Oscilloscope compatibility: UNI-T all series |
| UT-P40 | Current probe | DC ~ 100kHz Range 50 mV/A, 5 mV/A Current range 0.4A ~ 60A Maximum operating voltage 600 Vrms Oscilloscope compatibility: UNI-T all series |
| UT-P41 | Current probe | DC ~ 100 kHz Range 100 mV/A, 10 mV/A Current range 0.4A ~ 100A Maximum operating voltage 600 Vrms Oscilloscope compatibility: UNI-T all series |
| UT-P42 | Current | DC ~ 150 kHz |

| | probe | Range 100 mV/A, 10 mV/A Current range 0.4A ~ 200A Maximum operating voltage 600 Vrms Oscilloscope compatibility: UNI-T all series |
|--------|------------------|--|
| UT-P43 | Current probe | DC ~ 25 MHz Range 100 mV/A Maximum measurement current 20A Rise time 14ns Oscilloscope compatibility: UNI-T all series |
| UT-P44 | Current probe | DC ~ 50 MHz Range 50 mV/A Maximum measurement current 40A Rise time 7ns Oscilloscope compatibility: UNI-T all series |

Active probe

| Mode | Туре | |
|--------|--|--|
| UT-P30 | High-Voltage Differential Probes | DC~100 MHz Attenuation ratio 100:1,10:1 Input differential voltage ±800 Vpp Oscilloscope compatibility: UNI-T all series |
| UT-P31 | High-Voltage Differential Probes | DC~100 MHz Attenuation ratio 1000:1,100:1 Input differential voltage ±1.5k Vpp Oscilloscope compatibility: UNI-T all series |
| UT-P32 | High-Voltage | DC~50 MHz |

| | Differential Probes | Attenuation ratio 1000:1,100:1 Input differential voltage ±3 kVpp Oscilloscope compatibility: UNI-T all series |
|--------|--|--|
| UT-P33 | High-Voltage Differential Probes | DC~120 MHz Attenuation ratio 100:1,10:1 Input differential voltage ±14 kVpp Oscilloscope compatibility: UNI-T all series |
| UT-P35 | High-Voltage Differential Probes | DC~50 MHz Attenuation ratio 500:1,50:1 Rise time 7ns Accuracy 2% Input differential mode voltage 1/50:130 (DC+peak AC) 1/500:1300 (DC+peak AC) Input common mode voltage 100Vrms, CATI 600Vrms, CATII Oscilloscope compatibility: UNI-T all series |
| UT-P36 | High-Voltage Differential Probes | DC~50 MHz Attenuation ratio 2000:1,200:1 Rise time 3.5ns Accuracy 2% Input differential mode voltage 1/200:560 (DC+peak AC) 1/2000:5600 (DC+peak AC) Input common mode voltage 2800 Vrms, CATI 1400 Vrms, CATII Oscilloscope compatibility: UNI-T all series |

Contact Us

UNI-T Technical Support Hotline: 400-876-7822

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