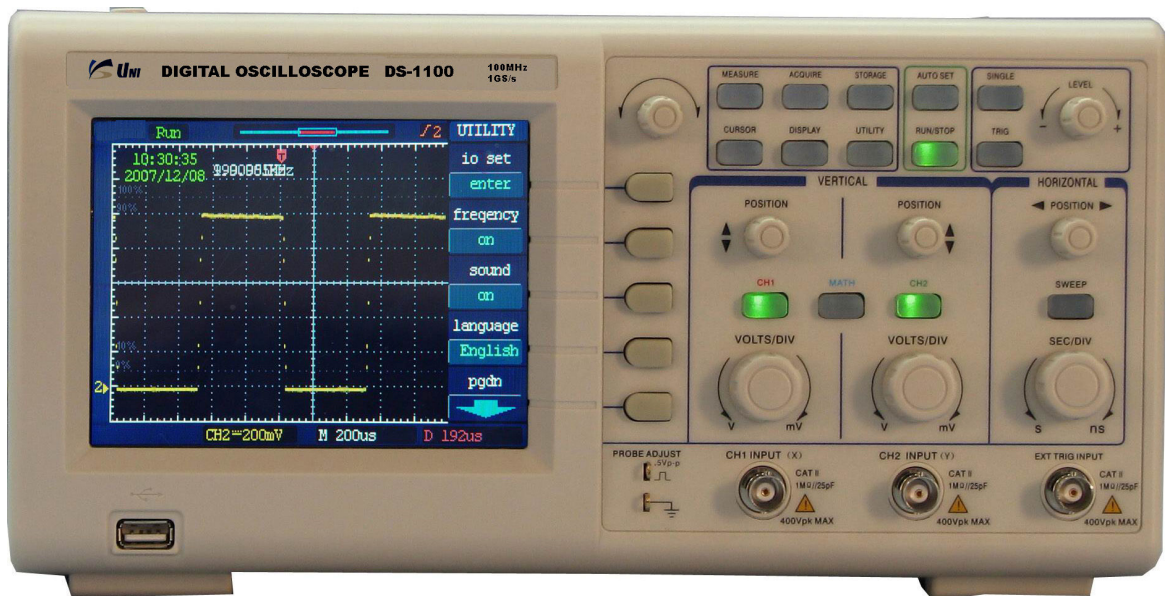


# Digital Storage Oscilloscope

DS-1100 : 100MHz  
DS-1065 : 60MHz



## ■ Features

- Dual channel, 100M(DS-1100), 60M(DS-1065) per channel
- Real-time sample rate 1GSa/S (DS-1100) or 500Ma/S (DS-1065)  
Max equivalent time sample rate 50GSa/s
- High resolution color display 320\*240 pixel
- USB storage and printer, RS232 interface
- Built-in Delay Sweep Function, time- can be shorten
- Measure multi-waveforms automatically
- Waveform can be recorded and recalled
- Multi-waveforms math, FFT
- Variable Trigger function : Edge, TV, Pulse, ALT etc.
- Help display

## ■ Technical Specification

| Specification  | Item                        | DS-1100  | DS-1065         |  |
|--|-----------------------------|--|-----------------|--|
| Vertical system  | Channel                     | CH1, CH2   |                 |  |
|  | Frequency width             | 100MHz   | 60MHz           |  |
|  | Operator                    | Plus, Sub, Mud, div, reverse   |                 |  |
|  | Probe attention ratio       | x1, x10, x100, x1000   |                 |  |
|  | Max. output voltage         | 400V(DC+ACpeak)  |                 |  |
|  | Vertical deflection         | 2mV/div ~ 20V/div, 1-2-5steps(15steps)   |                 |  |
|  | Input impedance             | (1±2%) MΩ//3pF   |                 |  |
|  | AD Converter                | 8bits  |                 |  |
|  | Rise Time                   | ≤ 3.5nS  | ≤ 5.8nS         |  |
| Horizontal system  | Sample rate                 | Real-time : 1GSa/S (DS-1100) or 500Ma/S (DS-1065) / Equivalent : 50GSa/s   |                 |  |
|  | Storage length              | 256KB/CH   |                 |  |
|  | Record length               | ≥ 4KB/CH Can be upgrade to 1MB   |                 |  |
|  | Sweep rate                  | 50S/div~2ns/div  | 50s/div~5ns/div |  |
|  | Sweep mode                  | Main, Main + delay Mag. X-Y  |                 |  |
|  | Sample point                | 2048   |                 |  |
|  | Timebase resolution         | ±100PPm  |                 |  |
|  | X-Y Mode                    | X(CH1) Frequency bandwidth, DC~Vertical full bandwidth, -3dB,Phase error : ≤ 3° @5MHz  |                 |  |
| Trigger System   | Trig source                 | CH1, CH2, EXT, EXT/5   |                 |  |
|  | Trig mode                   | Edge, Video, Pulse trigger   |                 |  |
|  | Trig mode                   | Auto, Normal, Single   |                 |  |
| Measurement  | Cursor Measurement          | ΔV, ΔT, 1/ΔT   |                 |  |
|  | Auto measurement            | Voltage parameter : p-p, amplitude, Max, Min, Top, Bottom, Average, overshoot, pre-overshot<br>Time parameter : Frequency, Period, Rising & Falling Time, Frequency, Positive & Negative pulse width, Positive & Negative duty-cycle, Delay1-2 (Rise) , Delay 1-2 (Fall) |                 |  |
| Display  | Display                     | 5.7" Color   |                 |  |
|  |                             | Pixel : 320*240  |                 |  |
|  |                             | Brightness :typical time≥ 80cd/m2  |                 |  |
|  | Waveform display area pixel | Vertical:200pixel(Full range),25pixel/DIV  |                 |  |
|  |                             | Horizontal : 250 pixel(Full range),25pixel/DIV   |                 |  |
|  | Display type                | pixel, vector  |                 |  |
|  | Display mode                | Normal   |                 |  |
| Average : 2n (n :1~8 selectable)   |                             |  |                 |  |
| Peak value : Sweep Timebase 20ns/div~2uS/div step, minimum bandwidth≥ 10ns   |                             |  |                 |  |
| Time adjust range : off, 100ms, 500ms, 1S, 2s, 5s, 10s, unlimited selectable |                             |  |                 |  |
| Calibration Signal   | Amplitude                   | 0.5Vp-p ≤ ±1%  |                 |  |
|  | Frequency                   | 100Hz,1KHz,10KHz,100KHz SQUARE WAVE  |                 |  |
| Output interface   | Output interface            | USB,RS232 Interface  |                 |  |
| Storage  | Waveform storage            | 10 groups  |                 |  |
|  | Setup storage               | 10 groups  |                 |  |
| General  | Power voltage               | AC100V~240V ±10%   |                 |  |
|  | frequency                   | 45Hz~440HZ ±5%   |                 |  |
|  | Power consumption           | Approx.30W   |                 |  |
|  | Size & Net weight           | 300mm*150mm*130mm 2.5kg  |                 |  |