



**3.7" Colored  
LCD**

**4 seconds**  
Fast start-up

**130,000 wfms/s**  
refresh rate

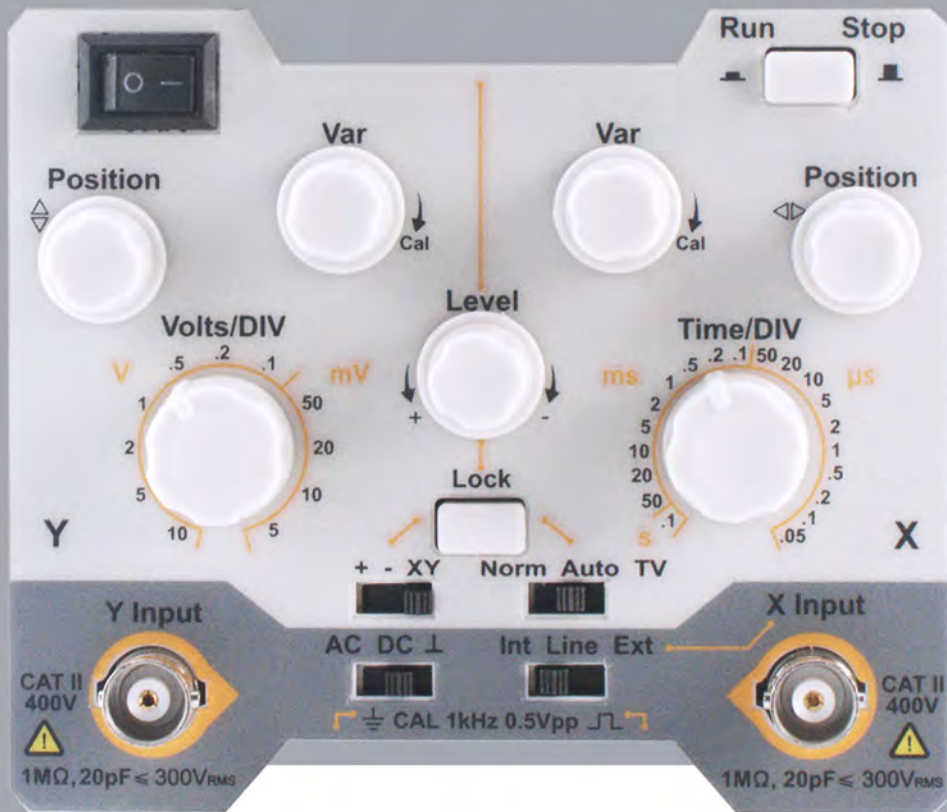
**AS101 & AS201**  
Oscilloscope

- Convenient operation panel is similar to analog oscilloscope
- 1-Channel
- Bandwidth : 10MHz (AS101), 20MHz (AS201), Sample rate : 100MS/s
- 130,000 wfms/s waveform capture rate, easily capturing exceptional and low probability events
- 3.7" Colored LCD
- Compact size for space-saving

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## Learn fast for the user of analog oscilloscope

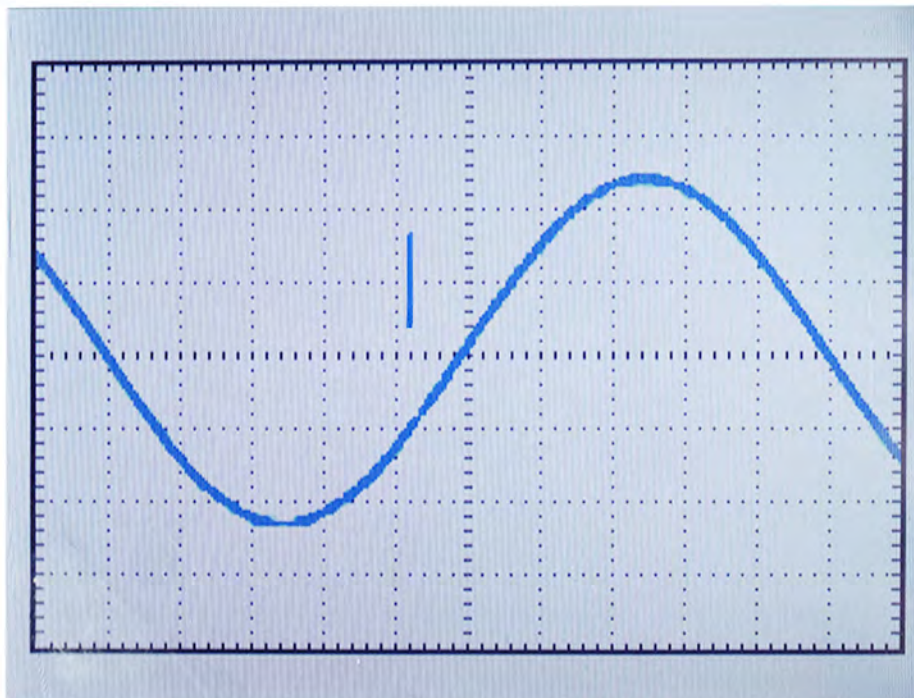
retain the operation panel of analog oscilloscope, easily to teach in the field of education, no need to modify the teaching



2

## Waveform capture rate

130,000 wfms/s waveform capture rate, close to analog oscilloscope, easily capturing exceptional and low probability events

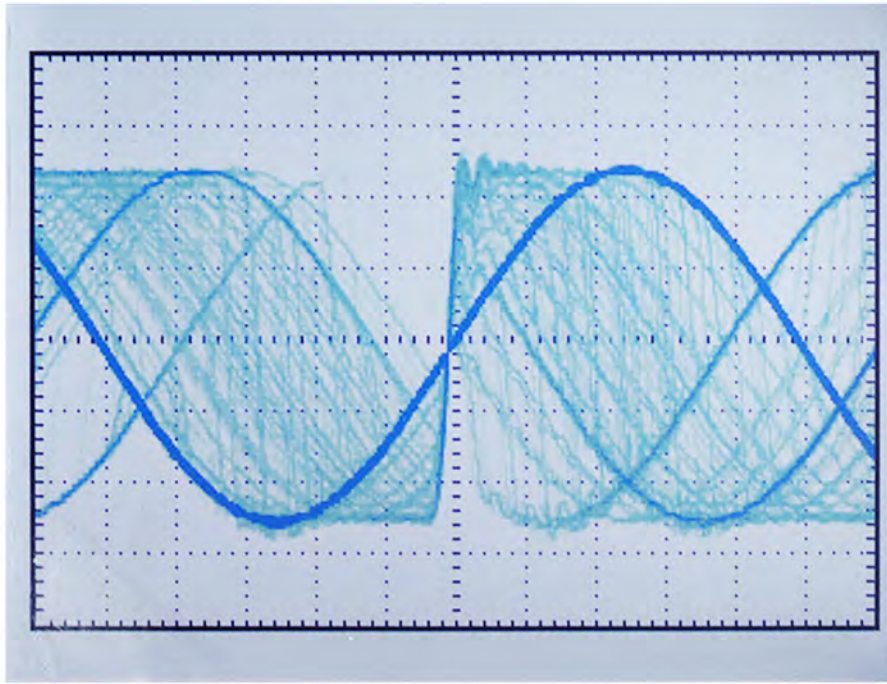




3

## Waveform grayscale

multi-level grayscale, display different amplitude components

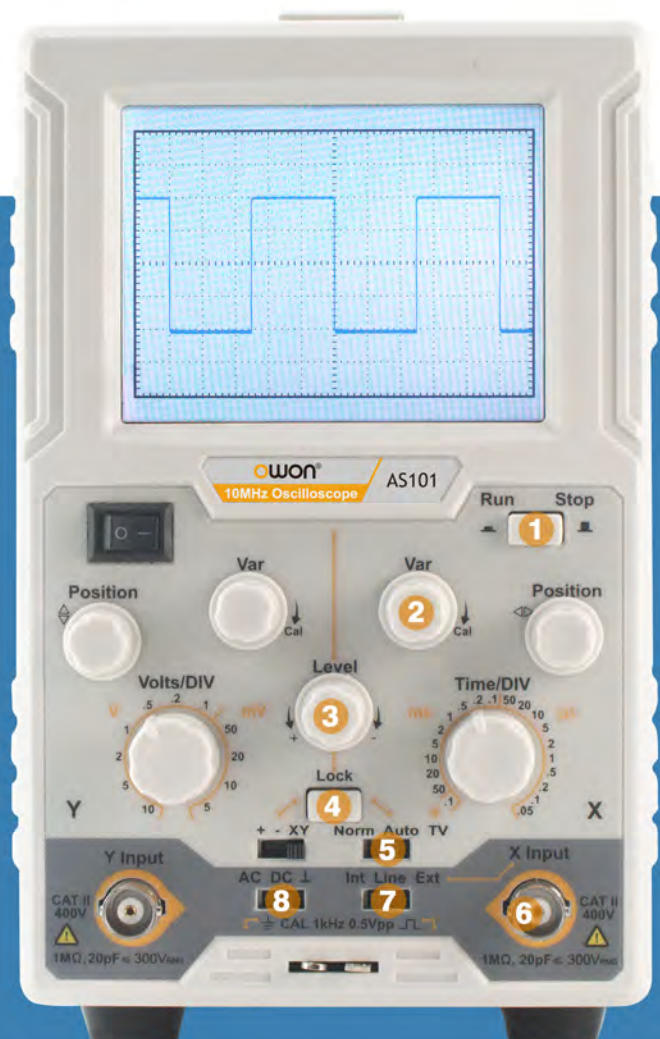


4

## Run/stop function

Stop state is more suitable for waveform viewing and analysis

- 1/ Stop button, suitable for waveform analysis.
- 2/ Continuously adjust the sweep rate and vertical sensitivity.
- 3/ Adjust the trigger level.
- 4/ Trigger lock button: When the Lock button is pressed down, the trigger level is automatically maintained at optimum value irrespective of the signal amplitude.
- 5/ Norm/Auto/TV, three trigger mode options.
- 6/ External trigger / X-axis input terminal (Lissajous figure experiment)
- 7/ Select trigger source: Internal/Line/External
- 8/ Select coupling mode: AC/DC/Ground





| Model                                   |                               | AS101                                                  | AS201                       |
|-----------------------------------------|-------------------------------|--------------------------------------------------------|-----------------------------|
| Bandwidth                               |                               | DC:0~10MHz, AC: 10 Hz~10MHz                            | DC:0~20MHz, AC: 10 Hz~20MHz |
| Channel                                 |                               | 1                                                      |                             |
| Horizontal system                       | Sample Rate                   | 100MS/s                                                |                             |
|                                         | Interpolation                 | (Sinx)/x                                               |                             |
|                                         | Scanning speed (S/DIV)        | 0.05us/DIV ~ 0.1s/DIV,step by 1 – 2 - 5                |                             |
|                                         | relay time accuracy           | ±100 ppm                                               |                             |
|                                         | Trimming Ratio                | ≥2.5:1                                                 |                             |
| Vertical system                         | Sensitivity                   | 5 mV/DIV~ 10 V/DIV                                     |                             |
|                                         | Displacement                  | ±10DIV                                                 |                             |
|                                         | Analog bandwidth              | 10 MHz                                                 | 20 MHz                      |
|                                         | Low Frequency                 | ≥10 Hz (at input, AC coupling, -3 dB)                  |                             |
|                                         | Rise time (at input, Typical) | ≤ 30 ns                                                |                             |
|                                         | Trimming Ratio                | ≥2.5:1                                                 |                             |
| Input coupling                          |                               | DC, AC, Ground                                         |                             |
| Input impedance                         |                               | 1 MΩ±2%, in parallel with 20 pF±5 pF                   |                             |
| Max. input voltage                      |                               | 400V (DC+AC, PK - PK)                                  |                             |
| X-Y Model                               |                               |                                                        |                             |
| Sensitivity                             |                               | X:0.5V/DIV Y:0.1V/DIV ~ 1V/DIV                         |                             |
| Bandwidth(-3dB)                         |                               | DC: 0 ~ 1MHz AC: 10Hz ~ 1MHz                           |                             |
| Trigger                                 |                               |                                                        |                             |
| Trigger level range                     |                               | ±4 DIV from the screen center                          |                             |
| Trigger level Accuracy (typical)        |                               | ±0.3 DIV                                               |                             |
| Trigger Sources                         |                               | Int, Line, Ext                                         |                             |
| Trigger Mode                            |                               | Norm, AUTO, TV                                         |                             |
| Edge trigger                            |                               | Rising, Falling                                        |                             |
| Video Trigger                           |                               | Support standard NTSC, PAL and SECAM broadcast systems |                             |
| Sample Rate / Relay Time                |                               | ±100ppm                                                |                             |
| Trigger lock                            |                               | support                                                |                             |
| Ext. Trigger Input Impedance            |                               | 1 MΩ±2%, in parallel with 20 pF±5 pF                   |                             |
| Ext. Trigger Max. Input Voltage         |                               | 400Vpp                                                 |                             |
| Trigger Output of the probe compensator |                               |                                                        |                             |
| Output Voltage (Typical)                |                               | Square, 0.5Vpp±2%                                      |                             |
| Frequency (Typical)                     |                               | Square wave of 1 kHz(±1%)                              |                             |
| Display                                 |                               | 3.7" Colored LCD (Liquid Crystal Display)              |                             |
| Power Supply                            |                               | 100V - 240V AC, 50/60Hz, CAT II                        |                             |
| Power Consumption                       |                               | < 15W                                                  |                             |
| Fuse                                    |                               | 1A, T class, 250V                                      |                             |
| Dimension (W x H x D)                   |                               | 117 x 192 x 288 mm                                     |                             |
| Device Weight                           |                               | About 1.8 kg                                           |                             |

Accessories and Packaging



Dimension (W×H×D): 117 x 192 x 288 (mm)  
Device Weight: Approx. 1.8 kg  
Packaging Size (W×H×D): 397 x 182 x 253 (mm)

