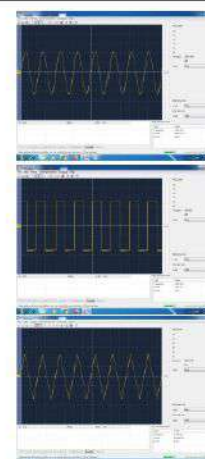
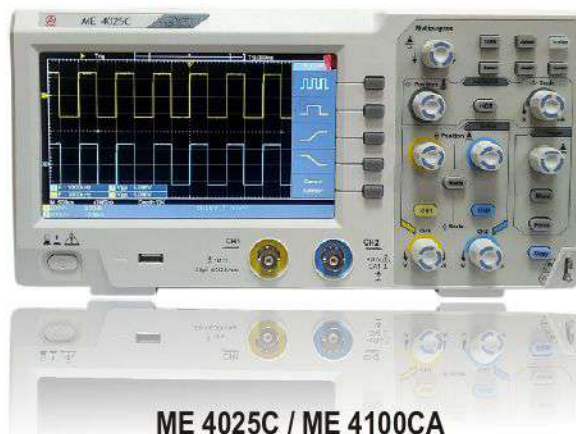


## Digital Storage Oscilloscope

### Digital Storage Oscilloscope - 4000 Series

#### Features :

- Band width & Sampling rate
  - 25 MHz DSO - ME 4025C (100MS/s)
  - 100 MHz DSO - ME 4100CA (1GS/s)
- 7" color LCD Display , 800 x 480 pixels
- Ultra Thin Body
- SCPI and LabVIEW Supported
- Auto-Setting for quick setup and waveform acquisition
- PC interface using Software
- USB-Host / Device



#### Technical Specification :

- Bandwidth : 25 MHz (Model ME 4025C)  
: 100MHz (Model ME 4100CA)
- Sample Rate : 100MS/s (Model ME 4025C)  
: 1GS/s (Model ME 4100CA)
- Display : 7" color LCD, 800 x 480 pixels
- Horizontal Scale : 5ns/div-1000s/div
- Rise Time : 17.5ns (Model ME 4025C)  
: 2ns/div-1000s/div (Model ME 4100CA)
- Input Impedance : 1M Ohm  $\pm$  2%, in parallel with 20pF  $\pm$  5pF
- Channel Isolation : 50Hz: 100:1, 10MHz: 40:1
- Max input Voltage : 400V (PK PK) (DC+AC, PK-PK)
- DC Gain Accuracy :  $\pm$ 3%
- Record Length : 10K
- DC Accuracy (average) :  $\geq 16 \pm$  (3% reading + 0.05div) for  $\Delta V$
- Probe Attenuation factor : 1X, 10X, 100X, 1000X
- LF Respond (AC,-3db) : 10Hz (at input, AC coupling, -3db)
- Sample Rate Relay :  $\pm 100$  ppm
- Time Accuracy
- Interpolation : Sin (x) / x
- Interval ( $\Delta T$ ) Accuracy (Full Bandwidth) : Single:  $\pm$  (1 interval time + 100ppm x reading + 0.6ns)  
: Average  $> 16$  :  $\pm$  (1 interval time + 100ppm x reading + 0.4ns)
- Input Coupling : DC , AC, and GND
- Vertical Resolution (A/D) : 8 bits ( 2 channels simultaneously)
- Vertical Sensitivity : 5mv/div 5v/div (at input)
- **Triggering System**
- Trigger Type : Edge, video
- Trigger Mode : Auto, normal, and single
- Trigger Level :  $\pm$  5 divisions from screen center
- Line/Field Frequency (video) : NTSC, PAL and SECAM standard

#### Measurements

- Cursor measurement :  $\Delta V$ , and  $\Delta T$  between cursors
- Automatic Measurement : Vpp, Vavg RMS, Frequency, Period, Vmax, Vmin, Vtop, Vbase, Width, Overshoot, Pre-shoot, Rise time, Fall time, + Width,-Width, + Duty, -Duty, Delay A->B (Rising Edge), Delay a->B (Falling Edge), Area, Cycle area
- Waveform Math : +, -, x, /, Invert, FFT
- Waveform Storage : 16 waveforms
- Lissajous Figure Band width : Full bandwidth
- Phase Difference :  $\pm 3$  degree
- Communication interface : USB host, USB device
- Frequency Counter : Available
- Power Supply : 100V 240 VAC, 50/60Hz, CAT II
- Power Consumption : < 15W
- Fuse : 2A, T class, 250V
- Dimension ( W X H x D) : 301 x 152 x 70mm
- Weight : 1.10kg

#### Standard Accessories

- Power Cable, Probes, Instruction Manual, Software CD with USB Cable