

## Digital Storage Oscilloscopes 25MHz/60MHz/100MHz

### 4000 Series



- Bandwidth : 25MHz (ME 4025M), 100MHz (ME 4100M, ME 4100C), 60MHz (ME 4060M, ME 4060C)
- Real-time Sample Rate: 250 MSa/s
- Equivalent Sampling Rate: 50 GSa/s
- Channels : Dual
- Memory: 4K-1M per channel
- Display: Mono LCD ( ME 4025M, ME 4060M, ME 4100M)
- Color LCD ( ME 4060C, ME 4100C)
- Autoset, Auto Calibration
- Ultrazoom: Enable fine display while viewing details
- 18 Automatic Measurements
- 10 Waveforms and 10 Setup Memories
- Built-in FFT, Digital Filter, Pass/Fail Functions
- Different Triggering Mode
- Built-in USB interface, Mathematical Function
- Extended Capabilities are provided with optional EM5-CM, EM5-COM, EM5-P/F, EM5-MEM

#### Technical Specifications

#### ME 4100M, ME 4100C, ME 4060M, ME 4060C, ME 4025M

Bandwidth	100MHz-ME 4100M/ME 4100C 60MHz-ME 4060M/ME 4060C 25MHz-ME 4025M
Sample Rate	250MSa/s
Equivalent Sampling	50GSa/s
Number of Channels	2
Memory	4K-1M per channel
Vertical Sensitivity (/Div)	2mV/div-5V/div
Vertical Resolution	8bits
Rise Time	3.5ns- (For ME 4100M/ME 4100C) 5.8ns- (For ME 4060M/ME 4060C) 14ns- (For ME 4025M)
Input Impedance	1Mohm, approx 19pF
Input Coupling CH 1 & 2	DC, AC OR GND
Maximum Input Voltage	400C (DC+AC peak), 5V <sub>rms</sub> @50ohms
Timebase Range (/div)	2ns/div~50s/div (ME 4100M/ME 4100C) 5ns/div~50s/div (ME 4060M/ME 4060C) 20ns/div~50s/div (ME 4025M)
Trigger Source	CH 1,2,ext, ext/5,AC line
Trigger Mode	Auto, Normal, Single
Trigger Type	Edge, TV, Pulse, Delay
Trigger Coupling	DC, AC, LF Rej., HF Rej.
Auto Measure	V <sub>pp</sub> V <sub>max</sub> V <sub>min</sub> V <sub>avg</sub> V <sub>top</sub> V <sub>amp</sub> V <sub>top</sub> V <sub>base</sub> V <sub>rms</sub> , Overshot, Preshot, Freq., Period, Risetime, Falltime, +Pulse Width, -Pulse Width, +Duty, -Duty, Delay rise time 1-2, Delay fall time 1-2
Cursor or Measure	Manual, Trace, Auto Measure
Math	Add, Subtract, Multiply, Divide & FFT
Storage	10 Wave forms, 10 setups
XY Operation	
Band Width	100MHz- ME 4100M/ME 4100C 60MHz- ME 4060M, ME 4060C 25MHz- ME 4025M
Phase Difference	3 degrees
Display	ME 4100M - Black & White LCD, 320x240 ME 4100C - VGA color LCD, 320x240
Power	Worldwide Use, 100-240V/35Wmax
Net weight	4.5 Kg
Size (excl. handle)	303mmx145mmx288mm
Accessories	Probex2 (10x), Power Cable, User manual
Optional Accessories	Extension Module (EM5-CM, EM-5-COM, EM-5-P/F, EM5-MEM) Tool Bag