



DS5000MA series Digital Oscilloscopes are another new products with outstanding performance we developed recently. It delivers an unbeatable combination of high performance and unmatched ease-of-use at a affordable low price. DS5000MA series Digital Oscilloscopes use MONO LCD display; Real-time Sample Rate up to 1GSa/s; Equivalent Sample Rate up to 50GSa/s; 4K Memories; 2mV-5V Vertical Sensitivity; 1ns-50s Timebase Range; Advanced Triggering on edge, video, pulse; Built-in FFT Functions; Digital filter1; Pass/Fail Inspection; Waveform Record. At this way you can analyse and measure circuit more

## DS 5000MA (DS5152MA/DS5102MA/DS5062MA)

### 1. Features

- Bandwidth: 150M(DS5152MA),100M(DS5102MA),60M(DS5062MA)
- Sample Rate(Realtime): 1GSa/s
- Equivalent Sampling Rate: 50GSa/s
- 2 Channels
- Memory: 4K per channel
- Display: Mono LCD
- Autoset
- Auto Calibration
- Ultrazoom: Enable fine display while viewing details
- 20 Automatic Measurements
- Multi-language User Interface
- 10 Waveforms and 10 Setup Memories
- Built-in FFT, Digital Filter, Pass/Fail, Waveform Record Functions
- Built-in USB interface
- Extended Capabilities are provided with optional EM5-CM, EM5-COM, EM5-P/F
- Ultrascope: PC control software

### 2. Specifications ( DS5152MA/DS5102MA/DS5062MA )

|                          | DS5152MA  | DS5102MA                                       | DS5062MA |
|--------------------------|---|--|----------|
| Channels                 | 2   | 2  | 2        |
| Bandwidth                | 150MHz  | 100MHz   | 60MHz    |
| Vertical Sensitivity     | 2mV/div to 5V/div   |  |          |
| TimeBase                 | 1ns/div to 50s/div  |  |          |
| Sample Rate              | 1GSa/s  |  |          |
| Equivalent Sampling      | 50GSa/s   |  |          |
| Input Impedance          | 1 M $\Omega$ , approx. 13 pF  |  |          |
| Input Coupling           | DC, AC or GND   |  |          |
| Trigger Type             | Edge, Video, Pulse  |  |          |
| Trigger Mode             | Auto, Normal, Single  |  |          |
| Trigger Source           | CH 1, 2, ext, ext/5 or ext(50 $\Omega$ )  |  |          |
| Horizontal Accuracy      | $\pm 0.01\%$  |  |          |
| Vertical Resolution      | 8bits   |  |          |
| Auto Measurement         | Vpp, Vrms, Vamp, Vmax, Vmin, Vtop, Vbase, Vavg, Overshoot, Preshoot, Freq, Period, +Width, -Width, Risetime, Falltime, +Duty, -Duty, etc. |  |          |
| Math                     | +, -, x, $\div$ , FFT   |  |          |
| Storage                  | 10 Waveforms(2CH), 10 Sets  |  |          |
| FFT                      | Window  | Hanning, Hamming, Blackman-Harris, Rectangular |          |
|                          | Sample  | 1024 points                                    |          |
| XY-PLOT                  | Bandwidth   | 150MHz   | 60MHz    |
|                          | Phase diff  | $\pm 3$ degrees                                |          |
| Display                  | Mono. LCD, 320x240  |  |          |
| Power                    | Worldwide use, 100~225V/40W   |  |          |
| Net Weight               | 4.5Kg   |  |          |
| Dimension (excl. handle) | 303mmx145mmx288mm   |  |          |
| Accessory                | Probex2(1:1/10:1), Power Cable, ToolsBag, User manual   |  |          |

