



Scientech 7000 series Digital Storage Oscilloscopes offer you a new way of signal study with excellent performance and most user friendly functions, such as Multi trigger modes, Auto measurement, Digital filtering, Waveform storage, Math function, FFT, Multi communication interfaces, etc.

Features :

- Bandwidth 25MHz to 200MHz
- Maximum Real time Sampling Rate : 200 MHz to 1GHz
- Multimath function : +, -, ×, FFT
- Triggering modes: Alternate/Edge/Pulse / Slope/ Video/ Pattern/ Duration
- Built in adjustable Lowpass, Highpass / Bandpass, Band Reject Digital Filters
- Built in USB interface
- Adjustable trigger sensitivity
- Pop-up menu makes it easy to read and easy to use
- Display contains acquisitions, setup information, measurement and soft keys for setting up parameters

Technical Specification

Vertical System :

Model	7025 M	7040M 7040C	7060M 7060C 7060CA	7100M 7100C 7200CA	7200CA
Bandwidth (Model wise)	25 MHz	40 MHz	60 MHz	100 MHz	200 MHz
Rise time (Modelwise)	14 ns	8.7 ns	5.8 ns	3.5 ns	1.75 ns
Scope channels	2 channels plus external trigger input.				
Coupling	AC, DC, GND				
BW Limit	20 MHz selectable except 7025 M				
DC Vertical Gain	2 m V / div to 5 mV/div : ±4%				
Accuracy	10 mV / div to 5 V/div : ±3%				
Attenuation factor	×1, ×10, ×100, ×1000				
Input Impedance	1MΩ 19pF or 50Ω (only for 7100CA)				
Maximum input	CAT II, 400V pk				

Technical Specification

Horizontal System :

Time base range	200 Msps : 5 ns/div to 50 s/div 400 Msps : 2.5 ns/div to 50 s/div 1 Gsps : 2 ns/div to 50 s/div
Modes	Main, Delayed, Roll and X-Y
Time base accuracy	±0.01%

Measurement :

Voltage measurement	Maximum, Minimum, Peak-to-Peak, High Low, Amplitude, Average, RMS, Cycle Average, Cycle RMS, Overshoot Preshoot
Time measurement	Frequency, Period, +Width, -Width, +Duty, - Duty, Rise time, Fall time, Delay, Phase, X at MAX, X at MIN
Math	CH1-CH2, CH1+CH2, CH1 x CH2, FFT (2K points)
Cursors	Manual, Automatic and Track
Counter	Built-in 5-digit Frequency counter. Count up to the oscilloscope's maximum bandwidth.

Trigger System :

Source	CH1, CH2, EXT, EXT/5, EXT(50Ω) (only available for 7200CA), AC Line Alternating.
Modes	Auto, Normal, Single
Coupling	DC, AC, LF-Reject, HF-Reject
Type	Edge, Pulse, Video

Storage and IO :

Internal memory	10 setups and waveforms can be saved and recalled internally
File format	Setup file (*.STP), Waveform file (*.WFM), BMP file (*.BMP), CSV file (*.CSV), all files have the real time data message except 7025M and 7040C
Standard ports	USB host USB device (except 7025M and 7040M)
Optional ports	RS232C + Pass/Failout GPIB + RS232C + Pass/Fail out

Acquisition System :

Max. Real time Sample Rate	200 MHz	400 MHz	1 GHz
	7025 M	7040C	7060CA
	7040M	7060M	7060CA
		7060C	7100CA
		7100M	7200CA
		7100C	

Max Equivalent Sample Rate	20 GHz	40 GHz	50 GHz
	7025M	7040C	7060CA
	7040M	7060M	7100CA
		7060C	7200CA
		7100M	
		7100C	

Display System :

Display	5.7-inch (145cm) diagonal STN LCD
Colour	7000M Series : Black and white 7000C Series : 256 VGA Colours
Brightness	Adjustable
Display mode	Vector, Dots
Interpolation	Sin x/x, Linear