



Model Name	MSO5022	MSO7102T
Bandwidth	25MHz	100MHz
Sampling Rate (Real time)	100MS/s on each channel	500 MS/s on each channel 1GS/s on one channel
Rise time	≤14ns	≤3.5ns
Display	7.8 inch color LCD, 256 colors, STN/TFT screen, 640×480 pixels	
Channel	Two with external trigger and 16 for Logic Analyzer	
Horizontal scale (s/div)	5ns/div-5s/div	5ns/div-100s/div
Interval(ΔT)accuracy(full bandwidth)	Single : $\pm(1 \text{ interval time} + 100\text{ppm} \times \text{reading} + 0.6\text{ns})$ Average > 16 : $\pm(1 \text{ interval time} + 100\text{ppm} \times \text{reading} + 0.4\text{ns})$	
Vertical Sensitivity	5mV/div -5V/div	2mV/div -10V/div
DC Gain Accuracy	±3%	
Vertical resolution (A/D)	8bits resolution (2CH simultaneously)	
Max. Input Voltage	300V(DC+ AC Peak) (1M Ω input impedance, Probe Attenuation rate 10:1)	400V(DC + AC Peak)
Input impedance	1M Ω ±2% in parallel with 20pF±5pF	1M Ω ±2% in parallel with 15pF±3pF
Input coupling	DC,AC	DC,AC,GND
Trigger Mode	Edge · Video · Alternate · Mains supply	
Sampling Mode	Normal, Peak detection, Average	
Record length	Max. 6000 points on each channel	
Waveform storage	4 waveforms	
Automatic Measurement	PK-PK, Average, RMS, Frequency, Cycle.	
Math	+, -, Inverted, FFT	
AC	100-240VAC 50Hz, CAT II	
Battery	7.4V, 8000mAh	
Dimension	370mm×180mm×120mm	
Weight	2.1KG	
Logic Analyzer		
Sampling rate (real time)	20S/s~100MS/s	1S/s~400MS/s
Bandwidth	33MHz	66MHz
Channels	16	
Record length	4M	
Input impedance	1M Ω ±2%	
Trigger mode	Edge trigger, Bus trigger, State trigger, Data alignment trigger, Data width trigger	
Trigger position setting	Pre-trigger, mid-trigger, Post-trigger	
Threshold Voltage	0~4V(4 settings)	
Input Signal Range	0~5V	
Data search	Support	
Data	Binary, Decimal, Hexdecimal	
Digital filter	0,1,2 optional	
Settings	Store up to 10 settings	
USB interface	Support Direct output	