

5 / 10 / 20 MHz Multiwaveform Arbitrary Signal Generator



Features

- Economic and Light Weight
- Dual Output with Same Characteristic
- 1 μ Hz Frequency Resolution
- 11 Built-in Waveforms and 5 User defined Arbitrary Waveforms
- AM, FM, PM, PWM, FSK Modulation, Frequency Sweep and Burst Function
- Built-in 100MHz Frequency Counter
- Arbitrary Waveform Editing PC Software
- USB Host, USB Device

Technical Specifications

		MASG5M	MASG10M	MASG20M
Frequency				
Range	Sine	1 μ Hz ~ 5MHz	1 μ Hz ~ 10MHz	1 μ Hz ~ 20MHz
	Square, Pulse	1 μ Hz ~ 5MHz		
	Others	1 μ Hz ~ 1MHz		
Resolution		1 μ Hz		
Accuracy		\pm 20 ppm.		
Waveform				
Type		11 build-in waveform (Sine, Square, Ramp, Pulse etc.) + 5 user defined arbitrary waveforms.		
Arbitrary	Length	4096 points.		
	Sampling Rate	100 MSa/s.		
	Vertical Resolution	10 bits.		
Amplitude				
Range	Frequency \leq 8MHz	0 ~ 10V p-p (50 Ω), 0 ~ 20V p-p (open circuit).		
	Frequency > 8MHz	0 ~ 9V p-p (50 Ω), 0 ~ 18V p-p (open circuit).		
Resolution		2mV p-p (Amplitude > 2V p-p).		
		0.2mV p-p (Amplitude \leq 2V p-p).		
DC Offset (Amplitude 0V p-p)				
Range		\pm 5V DC (50 Ω), \pm 10V DC (open circuit).		
Resolution		2mV DC.		

Modulation (CHA)			
FM, AM, PM	Carrier Waveform	16 waveforms, Sine, Square, Ramp etc. (only Pulse for PWM).	
PWM	Modulating Waveform	16 waveforms, Sine, Square, Ramp etc.	
	Modulating Frequency	2mHz ~ 20kHz.	
FSK	Carrier Waveform	16 waveforms, Sine, Square, Ramp etc.	
	Hope Frequency	1μHz ~ 5MHz	1μHz ~ 1MHz
	FSK Rate	1mHz ~ 100kHz	
Frequency Sweep (CH A)			
Carrier Waveform		16 waveforms, Sine, Square, Ramp etc.	
Sweep Mode		Linear or Logarithmic.	
Sweep Time		50ms ~ 500s.	
Burst (CH A)			
Burst Waveform		16 waveforms, Sine, Square, Ramp etc.	
Burst Count		1 ~ 1000000.	
Internal Period		1μs ~ 500s.	
Start / Stop Phase		0° ~ 360°.	
SYNC Output			
Waveform Characteristic		Square, edge time ≤ 20ns.	
Output Level		TTL compatible.	
Frequency Counter			
Frequency Range		1Hz ~ 100MHz.	
Input Amplitude		100mVrms ~ 7Vrms.	
Period		50ms ~ 5s.	
General Characteristics			
Power		AC 100 ~ 240V, 45 ~ 65Hz, <30VA.	
Display		VFD display.	
Dimension		322 x 256 x 102 mm.	
Weight		1.5 Kg.	

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