

Arbitrary Waveform Generator

multicomp^{PRO}

RoHS
Compliant



Features

- Max 70MHz frequency output and 300MSa/s Sample rate
- 14 bits Vertical Resolution, Vertical resolution 1 μ Hz
- 8K waveform length
- Comprehensive waveform output : 5 basic waveforms, and 150 built-in arbitrary waveforms
- Comprehensive modulation functions : AM, FM, PM, FSK and Sweep Burst
- SCPI, and LabVIEW supported
- 3.6 inch (480 × 272 pixels) LCD

Performance Specifications

Model	MP751059	MP751060
Channel	2	
Frequency Output	35MHz	70MHz
Sample Rate	500MSa/s	
Vertical Resolution	14 bits	
Waveform		
Standard Waveform	sine, square, pulse, ramp, noise	
Arbitrary Waveform	Exponential rise, exponential fall, sin(x)/x, step wave, and others total 150 built-in waveforms	
Frequency		
Sine	1μHz-35MHz	1μHz -70MHz
Square	1μHz ~ 15MHz	1μHz ~ 20MHz
Pulse	2mHz ~ 15MHz	1μHz ~ 20MHz
Ramp	2mHz ~ 1MHz	1μHz ~ 2MHz
Noise	20MHz (-3dB, typical)	
Arbitrary Waveform	2mHz ~ 10MHz	
Frequency resolution	1μHz or 7 significant figures	
Frequency stability	±30 ppm at 0 ±40°C	
Frequency aging rate	±30 ppm per year	
Arbitrary		
Waveform Length	2 points – 8K points	
Sample Rate	125Ma/s	300Ma/s
Amplitude		
Amplitude	1mVpp ~ 8Vpp (≤10MHz) 1mVpp ~ 5Vpp (≤70MHz)	
DC Offset Range (AD+DC)	±(10 Vpk – Amplitude Vpp/2) high resistance ±(5 Vpk – Amplitude Vpp/2) 50Ω	
DC offset resolution	1mV or 4 digits	
Load Impedance	50Ω (typical)	
DC offset Accuracy	±(1% of setting + 1mV + amplitude Vpp × 0.5%)	

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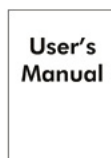
Modulation	
Type	AM, FM, PM, FSK
Internal Modulation Frequency	2 mHz to 100 kHz
Sweep Characteristic	
Carrier	Sine, rectangular wave, ramp wave, arbitrary wave (Except DC)
Minimum/maximum starting frequency	2mHz (minimum) / maximum frequency of corresponding carrier
Minimum/maximum termination frequency	2mHz (minimum) / maximum frequency of corresponding carrier
Trigger source	Internal, external,
Burst Characteristic	
Waveform	Sine wave, square wave, ramp wave, pulse wave and arbitrary wave (Except DC)
Types	N-Cycle
Trigger source	Internal, manual
Carrier frequency	$2\text{mHz} \leq \text{Offset} \leq \text{Maximum frequency of corresponding carrier} / 2$
Input / Output	
Display	3.6" 480 × 272 pixels LCD
Communication Interface	USB Device
Mechanical Specifications	
Size	200mm × 68.5mm × 75mm
Weight	0.5kg
Warranty	03 years



Power Cord



Adapter



Quick Guide



USB Cable



BNC Cable



BNC to Alligator Clip

Part Number Table

Description	Part Number
Arbitrary Waveform Generator, 2 Channel, 35MHz	MP751059
Arbitrary Waveform Generator, 2 Channel, 70MHz	MP751060

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