

Function/Arbitrary Waveform Generator

TENMA™


Features

- 5MHz/10MHz/20MHz sine wave output, 1μHz full band resolution
- 5MHz pulse waveform, rise and fall time adjustable
- 125MSa/s sampling rate and 14 bit vertical resolution
- Standard performance of dual channel
- 16 nonvolatile waveform memory
- Modulation modes: AM, FM, PM, ASK, FSK, PWM
- 4.3 inch high resolution TFT LCD display
- Standard interface: USB Device

Specifications

Characteristics	72-14110	72-14111
Channels	Single Channel	
Bandwidth	5MHz	10MHz
Sample Rate	125MSa/s	
Waveforms	Sine, Square, Ramp, Pulse, Noise, DC, Arbitrary Waveforms	
Working Mode	Output Gate, Continuous, Modulate, Sweep	
Modulation Type	AM, FM, ASK, FSK, PSK, PWM	
Plug type	EU, UK	
Warranty	36 Months	

Frequency Characteristics

Sine	1μHz ~ 5MHz	1μHz ~ 10MHz
Square	1μHz ~ 5MHz	1μHz ~ 5MHz
Pulse	1μHz ~ 5MHz	1μHz ~ 5MHz
Ramp	1μHz ~ 400kHz	1μHz ~ 400kHz
Arbitrary	1μHz ~ 1MHz	1μHz ~ 2MHz
Noise	5MHz bandwidth	10MHz bandwidth

Output Characteristic

Amplitude	1mVpp ~ 10Vpp (50Ω)	1mVpp ~ 10Vpp (50Ω)
	2mVpp ~ 20Vpp (high resistance)	2mVpp ~ 20Vpp (high resistance)
Accuracy (1kHz sine)	±(1% of setting value + 1mVpp)	
Amplitude flatness	≤100kHz: ±0.1dB	≤100kHz: ±0.1dB
	≤5MHz: ±0.2dB	≤10MHz: ±0.2dB

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DC Offset

Range (Peak AC+DC)	$\pm 5V(50\Omega)$; $\pm 10V(\text{High resistance})$
Offset Accuracy	$\pm(2\% \text{ of Offset setting} + 0.5\% \text{ of amplitude} + 2mV)$

General Characteristics

Power	100~240V ACrms, 45~440Hz
Display	4.3 Inches TFT Color LCD Display with WVGA(480×272 Resolution)
Product Colour	White and Grey
Product Net Weight	3.1kg
Product Size (W×H×D)	165mm × 110mm × 320mm

Accessories

Standard Accessories	BNC Cable, Power Cord, USB Cable & PC Software CD
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Part Number Table

Description	Part Number
Function/Arbitrary Waveform Generators	72-14110
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