

TFG3600 Series Arbitrary Function Generator



Features

- ✓ Max. output frequency 60MHz/100MHz/120MHz
- ✓ 3.5-inch TFT LCD display
- ✓ Direct Digital Synthesis technology (DDS)
- ✓ Sampling rate up to 300MSa/s
- ✓ Vertical resolution 41 bits
- ✓ Waveform memory length 512k pts
- ✓ 40 sets panel setting save & recall
- ✓ Modulations: AM, FM, PM, FSK, PWM-Internal or External
- ✓ Sweep: Lin, Log
- ✓ Over voltage protection, over current protection, short circuit protection, reverse voltage protection
- ✓ Numeric keyboard and rotary dial for data input
- ✓ Standard parts: RS232 interface

Specifications

Model	TFG-3660	TFG-36100	TFG-36120
Frequency range	1uHz~60MHz	1uHz~100MHz	1uHz~120MHz
Waveform	Sine, Square, Ramp, Pulse, White noise, Index Up, Index Down, Sinc, ECG wave		
Frequency			
Sine	1uHz~60MHz	1uHz~100MHz	1uHz~120MHz
Square	1uHz~30MHz	1uHz~50MHz	1uHz~60MHz
Ramp	500uHz~20MHz	500uHz~25MHz	500uHz~30MHz
Pulse	1uHz~1MHz	1uHz~1MHz	1uHz~1MHz
White noise	30MHz DC (-3Db)	40MHz DC (-3Db)	50MHz DC (-3Db)
Arbitrary waveform			
Frequency range	1uHz~25MHz		
Waveform length	2pts~512k pts		
Amplitude resolution	14 bits		
Sampling rate	300MSa/s		
Amplitude			
50Ω	1mVpp~10Vpp (≤10MHz) 1mVpp~5Vpp (≤80MHz) 1mVpp~2.5Vpp (>80MHz)		
High impedance	2mVpp~20Vpp (≤10MHz) 2mVpp~10Vpp (≤80MHz) 2mVpp~5Vpp (>80MHz)		
Modulation			
Modulation mode	AM, FM, PM, FSK, PWM-Internal or External		
Modulation frequency	2mHz~20kHz (FSK: 2mHz~100kHz)		
Frequency counter (optional)			
Frequency range	100mHz~200MHz		
Voltage range	100mVpp~20Vpp		
General			
Operation characteristics	Key operation for all functions, menu display, rotary dial adjustment		
Display	Display: TFT LCD Language: English, Chinese (simplified), Chinese (traditional)		
Power requirements	Power requirement: AC100-240V Frequency: 45~440Hz Power Consumption: Max.50VA		
Environmental condition	Temperature: 0 ~ 40°C Humidity: <80%		
Standard accessories	Power cord x1, Operation manual x1, software CD x1, RS232 cable x1, BNC-BNC cable X1, test lead x1		
Dimension	415x295x195 (mm)		
Weight	3.5 kg		