



Main Features

- Advanced DDS technology, upto 10MHz frequency output
- 125MS/s sample rate, and 1μHz frequency resolution
- Vertical Resolution : 14 bits, and 8K arb waveform length
- Comprehensive waveform output : 5 basic waveforms, and 45 built-in arbitrary waveforms
- Comprehensive modulation functions : AM, FM, PM, FSK, Sweep, and Burst
- SCPI, and LabVIEW supported
- 4" high resolution (480 x 320 pixels) LCD

Specifications

Channel	single + trigger		
Frequency Output	10 Mhz		
Sample Rate	125MS/s		
Vertical Resolution	14 bits		
Waveform			
Standard Waveform	Sine, Square, Pulse, Ramp, and Noise		
Arbitrary Waveform	Exponential Rise, Exponential Fall, Sin(x)/x, Step Wave, and others, total 45 built-in waveforms,and user-defined arbitrary waveform		
Frequency (resolution 1μHz)			
Sine	1μHz - 10MHz		
Square	1μHz - 5MHz		
Pulse	1μHz - 5MHz		
Ramp	1μHz - 1MHz		
Noise	5MHz (-3dB) (typical)		
Arb	1μHz - 5MHz		
Amplitude			
Amplitude	1m Vpp - 12.5 Vpp (50Ω), 1m Vpp - 25 Vpp (high impedance)		
Resolution	1m Vpp, or 4 digits		
DC Offset Range (AD+DC)	±6.25V (50Ω), ±12.5V (high impedance)		
DC Offset Range Resolution	1mV, or 4 digits		
Load Impedance	50Ω (typical)		
Arbitrary Waveform			
Wave Length	2 pts to 8K pts		
Sample Rate	125MS/s		
Vertical Resolution	14 bits		
Non-volatile Memory	64M bytes		
Modulation			
Modulation Waveform	AM, FM, PM, FSK, Sweep, and Burst		
Modulation Frequency	2mHz to 20.00KHz (FSK 2mHz - 100KHz)		
Power Amplifier Module (optional)			
Input Impedance	50 kΩ	Output Impedance	<2 Ω
Max Input Voltage	2.2Vpp	Gain	X 10
Max Output Voltage	22 Vpp	Offset	<7%
Output Slew Rate	10V/us	Bandwidth (at full power)	DC 100kHz
Max Output Power		10 W	

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

305, Taru Chhaya Nagar, Tonk Road, Jaipur-302029, India
 Tel: +91-141-2724326, Mob: +91-9413330765
 Email: info@tesca.in, tesca.technologies@gmail.com
 Website: www.tescaglobal.com



Order Code - AWG-1011F
Arbitrary Waveform / Function / Signal Generator Arbitrary
Wave Function Generator,10 MHz,4" Coloured LCD,USB+Software

Specifications	
Input / Output	
Display	4 inch (480 x 320 pixels) LCD
Type	external modulation input, external trigger input, and external reference clock input
Communication Interface	USB device
Mechanical	
Dimension (W x H x D)	235 x 110 x 295 (mm)
Device Weight	3.00 kg

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

305, Taru Chhaya Nagar, Tonk Road, Jaipur-302029, India
Tel: +91-141-2724326, Mob: +91-9413330765
Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tescaglobal.com

