

GF-858

DUAL-CHANNEL ARBITRARY WAVEFORM GENERATOR 25 MHz, 125 MS/s, USB and RS-232

The 25 MHz dual channel multifunction generator **GF-858** which combines Arbitrary Waveform and Function Generator, uses DDS (Digital Data Storage) technology to offer two programmable signals in a 4 inches LCD colour screen. All basic waveform are pre-programmed. Besides using the front panel keyboard for programming, the program can be enhanced in the PC and send it through USB or RS-232. One feature that makes the generator especially interesting is the possibility of playing all types of analog and digital modulations: AM, FM, PM, FSK and perform sweeps and burst. The **GF-858** also has an input for external modulation and external clock input. It includes a 6 digits frequency counter up to 200 MHz.



- ✓ 4 inch high resolution (480 × 320 pixels) TFT LCD display
- ✓ Advanced DDS technology
- ✓ Sample rate 125 MS/s
- ✓ Frequency resolution 1 μ Hz
- ✓ Vertical resolution 14 bits
- ✓ Waveform record length 1 M
- ✓ 5 basic waveforms and 45 built-in arbitrary waveforms output
- ✓ Standard interface USB port
- ✓ PC software included

Specifications	GF-858	Arbitrary waveform	
Frequency output	25 MHz	Wave Length	2 pts to 8 K pts, 2 pts to 1 M pts
Sample rate	125 MS/s	Non-volatile Memory	26 waveforms
Vertical resolution	14 bits	Modulation	
Waveform (output)		Modulation Waveform	AM, FM, PM, FSK, Sweep and Burst
Standard	Sine, Square, Pulse, Ramp and Noise	Modulation Frequency	2 mHz to 20 kHz (FSK 2 mHz - 100 kHz)
Arbitrary	Exponential Rise, Exponential Fall, Sin(x)/x, Step Wave and others, total 48 built-in waveforms and user-defined arbitrary waveform	Counter	
Frequency resolution		Function	Frequency Period, +Width, -Width, +Duty, and -Duty
Sine	1 μ Hz - 25 MHz	Frequency Range	100 MHz to 200 MHz
Square	1 μ Hz - 5 MHz	Resolution	6 digits
Pulse	1 μ Hz - 5 MHz	Input / output	
Ramp	1 μ Hz - 1 MHz	Display	4" (480 x 320 pixels) LCD
Noise	25 MHz (-3 dB) (typical)	Type	External reference clock input / output External trigger input / output External modulation input / output
Arbitrary waveform	1 μ Hz - 10 MHz	Communication Interface	USB host, USB device, LAN (support remote control)
Amplitude		Accessories	PC Software, quick reference guide, USB cable, power cord
Amplitude	1 m Vpp - 10 Vpp (50 Ω) 1 m Vpp - 20 Vpp (high impedance)	Mechanical features	
Resolution	1 m Vpp or 14 bits	Dimensions	235 (W.) x 110 (H.) x 295 (D.) mm
DC Offset	± 5 V (50 Ω), ± 10 V (high impedance)	Weight	3 kg
Resolution	1 mV		
Load impedance	50 Ω typical		