EAN CODE :3760244880468

5MHZ+RS232+LabVIEW+USB* **GF 467F**

COMPLETE : Reciprocal frequency counter 50MHz.
- Internal linear or logarithmic sweep, and external VCF or FM modulation. AM modulation.
- CMos function.
- Independent offset of the attenuator.

PRECISE : High waveform quality.
- Continuously variable duty cycle on all ranges.

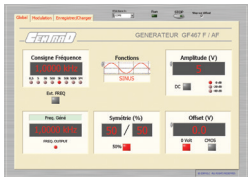
PROTECTED : 50Ω and TTL outputs protected against up to ±60V reverse power surges.

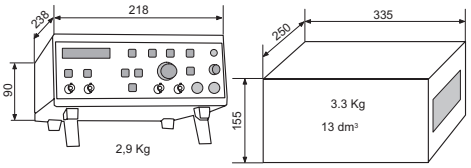
EASY : All parameters display.

*OPTION : USBRS232

PROTECTED
0,01Hz to 5MHz
CMos

LabVIEW





Specifications

Functions
- Triangle, sine, square, ramp, implus, offset, CMos, internal linear or logarithmic sweep, external VCF or FM modulation, AM modulation.
- Frequency range : 0,01 Hz to 5 MHz in 8 ranges.
- Frequency adjustment : Thumbwheel switch with 3 steps (big, medium, fine). Resolution : < 0.04% of the range.

Waveform characteristics
- Sine-wave distortion : < 1% and harmonics less than < -30 dB.
- Triangle linearity error : 1% max (up to 100 KHz).
- Square-wave signal rise or fall times : 30 ns max (10 to 90%).

Duty cycle
- Calibrated : to 50% ± 1%.
- Variable : continuously from 20 to 80 % on all ranges and for all wave forms. Resolution : 1% step

Frequency sweep
- Internal : Linear or logarithmic, sweep time adjustable from 10 ms to 5 s and depth adjustable for 1 to 100. Start, arrival and lasting frequency setting. Ramp output on BNC socket, 1 volt into 35KΩ.
- External : Input on BNC socket, input impedance : 47KΩ ± 10%, Protection : ± 60 Volts max. Bandwidth : DC to 20KHz. 500:1 ratio : for a variation from 0 to -10 V (± 1V). 1:500 ratio : for a variation from 0 to +10 V (± 1V).

Amplitude modulation
- Internal : 440 Hz frequency. Depth : 4 steps at 25, 50, 75 or 100%
- External : Input on BNC socket. Depth : 1Vrms = 100% for 10Vcc.

Frequency counter
- Frequency range : 0 to 50 MHz in 8 automatic ranges. Reciprocal reading for very low frequencies.
- Display : 14mm 5 digits red LEDS.
- External input : Impedance : 1MΩ / 20pF Typical sensitivity : 10mV rms
- Direct reading of the frequency in internal position.
- Accuracy to 100KHz : ± 0,025% ±1 digit.

Main output (Protected against short circuits and up to ±60 V reverse power surges)
- Output impedance : 50Ω, accuracy : ± 5%.
- Output level : 20V peak to peak (open circuit), 10V peak to peak into 50Ω.
- Fixed attenuation : 0, - 20dB or -40dB switchable.
- Variable attenuation : 0 dB to - 40dB + DC function
- Resolution : 100mV at 0dB, 10mV at - 20dB and 1mV at -40dB
- Offset voltage : Independent of fixed attenuator regulating ± 10V (open circuit),± 5V into 50Ω resolution : 100 mV

CMos function : Output signal shifting on positive range. Regulating from 0 to ± 10V in open circuit.

TTL output (Protected against short circuit and up to ±60 V reverse power surges)
- Synchronous square-wave signal 0 to 5 Volts. Fan-out : > 10.
- Rise and fall times : < 20 ns.

Other specifications

- Safety : Class II, Toroidal Safety Extra Low Voltage (SELV) Transformer. Complies with EN 61010-1, overvoltage category II, pollution degree 2.
- EMC : Complies with EN 61326-1.
- Protection level : IP 31.
- Interface : RS232 Link 9-way male SUB-D plug. LabVIEW's drivers download on www.elc.fr
- Input voltage : 230V ±10%, 50 / 60 Hz ; protected by 200 mA time-delay fuse.
- Mains input : socket with 2 poles irremovable.
- Power consumption : 30 VA max.
- Dielectric strength : 3000V from input to output.
- Presentation : screen-printed polycarbonate front panel, metal case, with feet.