



EAN CODE :3760244880468

5 MHZ+RS232+LabVIEW™+(USB or LAN)*



COMPLETE: Reciprocal frequency counter 50 MHz. - Internal linear or logarithmic sweep, and external

- VCF or FM modulation. AM modulation.
- CMos function.
- Independent offset of the attenuator.
- Two fixed -20 dB attenuators and a -40 dB variable [Total = -80 dB]

PRECISE: High waveform quality.

- Continuously variable duty cycle on all ranges.

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

EASY: All parameters display.

PROTECTED RS232 + (USB OR LAN)* LabVIEW™

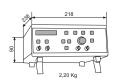
0.01 Hz to 5 MHz **CMos**

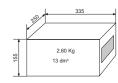




LabVIEW™









Specifications

• 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%.

: continuously from 20 to 80 % on all ranges and for all wave Variable forms. Resolution: 1% step

Frequency sweep

: Linear or logarithmic, sweep time adjustable from 10 ms to 5 s Internal

and depth adjustable for 1 to 100. Start, arrival and lasting frequency setting. Ramp output on BNC socket, 1 volt into 35 k Ω .

• External : Input on BNC socket, input impedance : 47 k Ω ± 10%, Protection: ± 60 Volts max. Bandwidth: DC to 20 kHz.

500:1 ratio: for a variation from 0 to -10 V (\pm 1V). 1:500 ratio: for a variation from 0 to +10 V (\pm 1V).

Amplitude modulation

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

Frequency counter

• Frequency range: 0 to 50 MHz in 8 automatic ranges.

Reciprocal reading for very low frequencies.

: 14mm 5 digits red LEDS. Display : Impedance : 1 M Ω /20 pF External input Typical sensitivity: 10 mV rms

• Direct reading of the frequency in internal position.

Accuracy to 100kHz: ± 0,025% ±1 digit.

Memorize the last configuration used and its parameters.

Main output (Protected against short circuits and up to ±60 V reverse power surges)

• Output impedance : 50 Ω , accuracy : \pm 5%.

• Output level : 20 V peak to peak (open circuit), 10 V peak to peak into 50 Ω .

• Fixed attenuation : 0, - 20 dB or -40 dB switchable. • Variable attenuation : 0 dB to - 40 dB + DC function

: 100mV at 0 dB, 10 mV at - 20 dB and 1 mV at -40 dB Resolution

• Offset voltage : Independent of fixed attenuator

regulating $\pm 10 \text{ V}$ (open circuit), $\pm 5 \text{ V}$ into 50Ω

resolution: 100 mV

CMos function : Output signal shifting on positive range. Regulating from 0 to $\pm 10 \text{ V}$ 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.

: RS232 Link 9-way male SUB-D plug. LabVIEWTM's drivers • Interface

download on www.elc.fr

• * USB option : USB / RS232 adapter kit + null modem cable.

• * ETHERNET option: RS232 / RS485 / RS422 adapter kit to ETHERNET. Input voltage $\pm 230 \text{ V} \pm 10\%$, 50 / 60 Hz; protected by 0.2 A time-delay fuse.

: socket with 2 poles irremovable. Mains input

• Power consumption: 30 VA max.

• Dielectric strength : 3000 VAC from input to output.

 Presentation : screen-printed polycarbonate front panel, metal case,

with feet.