

LFC3388 Pulse Wave Frequency Meter

**Features**

- Three channels;
- With high precision measurement capability of continuous wave, pulse wave frequency, period, pulse width, duty ratio;
- Abundant triggering ability and external trigger function, the frequency in pulse can be selected to measure.
- With RS-232C, functions can be programme-controlled;
- A measurement can display various parameters which can be selected freely;
- The big screen of 5.7 inches of TFT true color display, 640 480dot matrix;
- External / battery dual power, AC/DC, battery working time 4H;
- Hand held, small volume, light weight, sturdy appearance;
- Statistical operation: average, maximum, minimum, and maximum absolute deviation, single absolute deviation, relative deviation, Allen variance, standard deviation, mean square root;

PULSE WAVE FREQUENCY METER

Item / Model		LCF3388
Channel 1 Channel 2	Measure Freq Range	0.001Hz~225MHz;
	Time Interval	5ns~100000s;
	Range of cumulative count	Counting capacity: 1×10^{15}
	Dynamic range	Sine wave: 30mVrms~1.5Vrms;
		Pulse wave: 120mVp-p~4.5Vp-p;
	Accuracy	Frequency measurement accuracy : $(\pm \frac{1\text{ns}}{\text{gate-time}} \pm \text{time base error}) \times \text{input frequency}$
		Among which, time base error: $\pm 3 \times 10^{-9} / \text{day}$ (or $3.5 \times 10^{-14} / \text{s}$)
		Time interval measurement accuracy: $1\text{ns} \times \text{time base error} \times \text{the measured time interval}$
	Resolution	Resolution of frequency measurement: $\frac{0.1\text{ns}}{\text{gate-time}} \times \text{input frequency}$
		Resolution of time interval: 0.1ns
Channel 3	Input impedance	50Ω;
	Range of frequency measurement	200MHz~3GHz;
	Dynamic range	Sine wave: -17dBm ~ +13dBm;
External	Input impedance	≥ 1k;
trigger input	Input level	TTL;
	Pulse width	≥ 200ns;
Internal time base	Frequency	10MHz
	Stableness	$3 \pm 10^{-9} / \text{day}$ (or $1 \times 10^{-9} / \text{day}$)
FSB scale input	Frequency	10MHz
	Range	3.3V Logic level

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