

Product Name :
Multifunction Counter

Product Code :
CHINAVLABM12250001



Description :

Multifunction Counter China Engineering Lab Training System Suppliers

Technical Specification :

Microprocessor to realize intelligent measurement;
Low pass filter and attenuator in pre-position circuit;
Count backwards, realize the equivalent accuracy measurement with fast speed and high sensitivity;
Micro SCM to measure freq period and intelligentize the management;
LSI design and CPLD application to diminish the components qty and the average working time be not less than 10000h without fault;
Fine outline, small, light, easy to handle.

Frequency measurement	1Hz~1.5GHz	1Hz~3GHz
Cycle measurement	10ns-1s	
Count capability	10-8-1	
Input impedance	Channel A 1M Ω /40pF	
	Channel B 50 Ω	
Input coupling mode	AC	
Waveform adaptability	Sine, triangle, pulse	
Dynamic of input voltage		
Channel A	30mVrms~250Vp-p	
Channel B	30mVrms~1Vrms	
Frequency measurement		
Channel A	1Hz~100MHz	

Channel B	100MHz~1.5GHz 100MHz~3GHz
Channel A low pass filter	-3dB bandwidth 100kHz
Channel A attenuation	×1 or ×20
Measurement error	±Timebase error ± Trig error ±LSD
	LSD=100ns/Strobe time×Measured frequency (or measured period)
Trig error	SNR of input signal =40dB, trig error?0.3%
Strobe time	10ms, 100ms, 1s, 10s
Count capability	0~99,999,999
Crystal vibrator freq	10MHz
Freq stability of Crystal vibrator	1×10-5/date
Ext input frequency	10MHz
Ext freq input amplitude	>1Vp-p
Display	8 highlight 0.5 LED display, 3 unit LED, 1 gate LED, 1 external standard frequency LED



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