



BORDAR MABNA CO.SA  
SURVEYING, TELECOM & GPS PRODUCTS

REF:AZAR88  
Frq-Counter

شرکت بردار مبنا (سهامی خاص)

تجهیزات نقشه برداری، فتوگرامتری، هیدروگرافی، مخابراتی و GPS

نماینده انحصاری SUUNTO در ایران

WWW.BORDARMABNA.COM ۸۸۷۹۳۴۵۱: فاکس ۸۸۸۷۸۵۰۶-۷: تلفن

تاریخ: / / ۱۳۸۸

مخاطب آقای:

به شرکت:

قیمت ریالی

تصویر

دستگاه فرکانس کانتر + فانکشن ژنراتور RF از بردار مبنا

دستگاه فرکانس کانتر + فانکشن ژنراتور مدل :

BM-9320 Digital Synthesis Arbitrary Function Generator/Counter



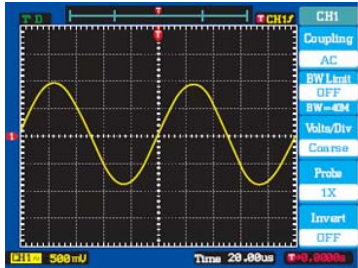
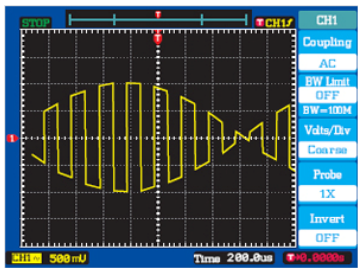
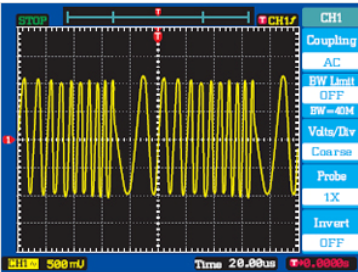
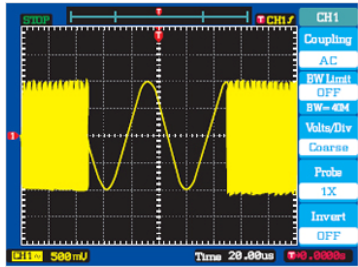
رنج فرکانسی: 100µHz - 20MHz

کوچکترین واحد نمایش: 1µHz

precise test instrument that designed by Direct Digital Synthesis System and can output standard waveforms (sine, square, triangle, ramp & pulse) and Arbitrary Waveform. These Models are used to output function signals and AM, FM, FSK, PSK, Sweep and Burst, Frequency Sweep Signal

Using Direct Digital Synthesis Technology  
100µHz to 120MHz Frequency Range for Main Waveforms  
1mV Output Amplitude for Small Signal  
High Resolution of Pulse Duty Rate up to 1/1000  
High Resolution and Accuracy of Digital FM  
Continuous Phase Adjustment Function in Burst Mode  
Arbitrary Setting of Start and Stop for Frequency Sweep  
Output  
0.1° Resolution of Phase Adjustment  
Arbitrary Setting of AM Modulation (1% to 120%)  
10 Channel Signal Save, Recall Setting  
More than 30 Kinds of Output Waveforms (Included Arbitrary Waveform)

Wide Measurement Range of Frequency Counter (1 to 100MHz)



ست کامل دستگاه اصلی BM-9320 counter

کد سفارش: ۹۱۱ تماس

جعبه حمل تجهیزات TRANSIT BOX:

کد سفارش: ۸۰۷ تماس

ساخت کشور کره جنوبی

دارای ۱۲ ماه گارانتی

کامل با متعلقات و آداپتورهای مورد نیاز

WWW.SUUNTO.COM فلاندر در ایران SUUNTO و سوئد و SILVA AB نماینده انحصاری کمپانیهای SILVA AB سوئد و SUUNTO

WWW.SILVA.SE



Spec			Bm-9320
Waveform	Frequency Range	Main Waveform	100μHz - 20MHz
		Stored Waveform	100μHz~100kHz
	Resolution		1μHz
	Accuracy		5 0.000001
	Stability		1 0.000001
Frequency	Main Waveform		Sine, Square, TTL
	Level Resolution		12Bits
	Sampling Rate		200MS/s
	Sine Waveform Distortion Harmonic		-50dBc(Freq ≤ 5MHz), -45dBc(Freq ≤ 10MHz), -40dBc(Freq ≤ 20MHz), -35dBc(Freq ≤ 40MHz)
	Sine Waveform Distortion		0.1% (20MHz~100kHz)
	Square Waveform Rising/Falling Time		Less than 15ns
	Stored Waveform	Waveforms	27 Waveforms (Sine, Square, Triangle, Up-lamp, Down-lamp, Noise, Pulse, P-pulse, N-pulse, P-dc, N-dc, Stair, c-pulse, Commut-fu, Commut-hr, Sine-tra, Sine-ver, Sine-pm, Log, Exp, Round-har, sin%, Squ-root, Argent, Cardio, Quake, Combin)
		Waveform Length	4096Dots
Amplitude Resolution		10Bits	
Duty Factor of Pulse Wave		0.1% ~ 99.9% (Less than 10kHz), 1% ~ 99% (10kHz ~ 100kHz)	
Amplitude	Amplitude Range		2mV ~ 20Vp-p(High Impedance), 1mV ~ 10Vp-p(50Ω)
	Max. Resolution		2μVp-p(High Impedance), 1μVp-p(50Ω)
	Amplitude Accuracy (at 1kHz)		(1%+0.2mV)
	Amplitude Stability		5% / 3hours
	Flatness	Amplitude ≤ 2V	3% (Freq ≤ 5MHz), 10% (5MHz < Freq ≤ 40MHz)
		Amplitude > 2V	5% (Freq ≤ 5MHz), 10% (5MHz < Freq ≤ 20MHz), 20% (5MHz < Freq ≤ 20MHz)
	Output Impedance		50Ω
Offset	Offset Range		10V(High Impedance), 5V(50Ω)
	Resolution		2μV(High Impedance), 1μV(50Ω)
	Error		1%+10mV
AM	Carrier Waveform		Sine, Square
	Modulation Mode		INT, EXT
	Modulation Signal	Waveform	Sine, Square, Triangle, Up-Lamp, Down-Lamp
		Frequency	10μHz ~ 20kHz
	Relative Modulation Error		(5%+0.2)100μHz < Freq ≤ 10kHz, (10%+0.5)(10kHz < Freq ≤ 20kHz)
	Modulation Depth		1%~120%
Amplitude of External Input Signal		3Vpp (+1.5V~-1.5V)	
FM	Carrier Waveform		Sine, Square
	Modulation Mode		INT, EXT
	Modulation Signal	Waveform	Sine, Square, Triangle, Up-Lamp, Down-Lamp
		Frequency	100μHz~10kHz
	Frequency Offset		Max, 50% of Carrier Frequency for Internal FM; Max, 10% of Carrier Frequency of External FM; Input Signal Voltage 3Vp-p (+1.5V~-1.5V)

Spec		Bm-9320	
	FSK Modulation	Input Signal	Either Frequency 1 or Frequency 2
		Control Mode	INT, EXT (TTL Level, Low Level F1, High Level F2)
		Alternation Rate	0.1ms ~ 800s
PM	PSK Modulation	Waveform	Sine, Square
		PSK	Phase 1 (P1), Phase 2 (P2)
		Range	0.1° ~ 360.0°
		Resolution	0.1°
		Alternation Time Interval	0.1ms ~ 800s
	Control Mode	INT, EXT (TTL Level, Low Level P1, High Level P2)	
Burst		Waveform	Sine, Square
		Burst Counting	1~10000 Period
		Alternation Time Interval	0.1ms ~ 800s
		Control Mode	INT, EXT
Sweep		Waveform	Sine, Square
		Time	1ms~800s (linear), 100ms~800s(log)
		Mode	Linear, Log
		External Trigger Signal Frequency	DC ~ 1kHz(linear), DC ~ 10kHz(log)
		Control Mode	INT, EXT
Output of Modulation Signal		Waveform	Sine, Square, Triangle, Up-Lamp, Down-Lamp
		Frequency	100μHz ~ 20kHz
		Amplitude	5Vpp 2%
		Output Impedance	620Ω
Storage		Storage Parameter	Single Frequency, Amplitude, Waveform, DC Offset Values and Function State
		Storage Capacity	10 Signal
Frequency Range		1Hz ~ 100MHz	
Min. Input Voltage	ATT Open	50mV (Freq 10Hz ~ 50MHz), 100mV (Freq 1Hz ~ 100MHz)	
	ATT Close	0.5V (Freq 10Hz ~ 50MHz), 1V (Freq 1Hz ~ 100MHz)	
Max. Input Voltage		100Vpp (Freq ≤ 100kHz), 20Vpp (1Hz ~ 100MHz)	
Low Pass Filter		Cut off Frequency about 100kHz	
	With Internal Attenuation	≤ -3dB	
	With External Attenuation	≥ -3dB (Freq > 1MHz)	
Gate Time		10ms ~ 10s	
Power		220V 10%, 50~60Hz, Max, 35W	
Temperature/Humidity		0°C ~ 40°C, 35% ~ 80%	
Dimension		255mm 370mm 100mm	