



## SP1502 - Features and Benefits



MOQ: 1 Piece/Pieces  
 Delivery Detail: 1 week  
 Payment Terms: T/T,Western Union



- Wide band coverage from 100kHz to 300MHz
- High accuracy:200Hz in full range
- Output level can be specified 0.1dB step between -8dBμ~120dBμ
- Presetting function for simple operation
- Compact size and light weight
- Interface: RS232 (Standard); GPIB(Optional)

Specifications	<b>Frequency</b>		
	Range	100kHz~300MHz	
	Resolution	100Hz	
	Accuracy	$\pm 5 \times 10^{-6}$	
	<b>Output Level</b>		
	Range	-127dBm~+13 dBm 50Ω (-14dBμ~+126dBμ,open circuit)	
	Resolution	0.1dB	
	Accuracy	$\pm 1.0$ dB ( -100dBm ~ +13dBm); $\pm 2.0$ dB ( -127 dBm ~ -100dBm)	
	Output impedance	50Ω	
	SWR	<1.5:1	
	Harmonics	<-30dBc ( Output≤+10dBm)	
	Subharmonics	<-40dBc ( Output≤+10dBm)	
	Nonharmonics	<-40dBc ( Output≤+10dBm, Offset>5kHz)	
	Residual FM	<10Hz @CCITT, rms	
	<b>Modulation</b>		
	Int.mod.frequencies	1kHz and 400Hz ,±2%	
	Ext.mod.input impedance	10kΩ, ±10%	
	Ext.mod.input voltage	3Vpp,±4%	
	Ext.H/L LED(indicator:LED is off)	3Vpp±3% (AF≤20kHz);      3Vpp±5% (20kHz< AF≤100kHz)	
	FM	Peak deviation	100kHz ( fc ≥1MHz);      fc ×10% ( fc <1MHz)
		Resolution	100Hz
		Accuracy	$\pm 5$ % of setting $\pm 60$ Hz @ fc≥1MHz, FM deviation>5kHz,AF=1kHz, Demod.BW=50Hz to 15kHz
		Distortion	<0.3% (@ FM deviation=75kHz, AF=1kHz, Demod.BW=50Hz~15kHz, E-emp.=50μsec)
	AM	Range	0.1~80% ( Output≤+10dBm)
		Resolution	0.1%
Accuracy		$\pm 5$ % of setting $\pm 1.5$ %	
Distortion		<2% (@ AM=30%, AF=1kHz, Demod.BW=50Hz to 15kHz , De-emp=50μsec)	
FM Stereo	Separation	>50dB ( AF=400Hz to 1kHz);      >35dB ( AF=100Hz to 10kHz);      >30dB ( AF=50Hz to 15kHz)	
	Pilot	19kHz±2Hz	
	Distortion	<0.3% @ fc=10.7,76~110MHz, AF=1kHz, Pilot OFF, Stereo Main 90.	
	Ext modulation Frequency flatness	50Hz~15kHz (±1dB ) @ fc =10.7,76~110MHz, Pilot OFF, Stereo Main 90.	
Memories	100 points,( non-volatile RAM )		
Interface	RS-232 interface is standard, GPIB Interface is optional		
Power Voltage	198V~242V AC,47Hz~53Hz		
Dimensions	225mm×280mm×108mm		
Weight	5kg		