



## SP1501 - Features and Benefits



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



- Wide band coverage from 100kHz to 150MHz
- High accuracy:100Hz in full range
- Output level can be specified 0.1dB step between -20dBμ~100dBμ
- Presetting function for simple operation
- Output Level extended to +13dBm
- Compact size and light weight
- Options: RS232 interface

Specifications	<b>Frequency</b>		
	Range	100kHz~150MHz(76MHz~110MHz ,FM Stereo)	
	Resolution	100Hz	
	Accuracy	$\pm 5 \times 10^{-6}$	
	<b>Output Level</b>		
	Range	-20dBμ~100 dBμ at open circuit(-133dBm~-13dBm into 50Ω termination)	
	Resolution	0.1dB	
	Accuracy	$\pm 1$ dB at 100 dBμ	
	Attenuator Accuracy	$\pm 1$ dB(20dBμ~100 dBμ), $\pm 2$ dB(-20dBμ~20dBμ)	
	Output Impedance	50Ω ,VSWR less than 1.2	
	Spurious & Harmonics	$\leq -30$ dBc	
	Residual Modulation (S/N)	FM Component:70dBm;      AM Component:50dBm	
	<b>Modulation</b>		
	Internal Modulation	Frequency:400Hz ,1kHz	
	External Modulation	Input Impedance:10kΩ $\pm 10\%$ ;    Input Voltage:3Vpp $\pm 2\%$	
	FM	Range	0~100kHz (@ 1~150MHz)
		Carrier Frequency	$\times 10\%$ (@<1MHz)
		Accuracy	$\pm 10\%$ of maximum frequency deviation
		Distortion	<0.3%(with Dev=75kHz,AF 1kHz, Demod.BW=50Hz~15kHz,DE-emp.=50μsec)
	AM	Range	0~60%
		Resolution	0.1%
		Accuracy	$\pm 5\%$ (100kHz~110MHz); $\pm 10\%$ (110MHz~150MHz)
		Distortion	<0.65% (@ 400kHz~30MHz) <1.5% (@ other range) (withDepth=30%,AF1kHz, Demod.BW=50Hz~15kHz)
	<b>Stereo</b>		
	Separation	$\geq 50$ dB(@400Hz~1kHz); $\geq 35$ dB(@100Hz~10kHz); $\geq 30$ dB(@50Hz~15kHz)	
	Pilot	19kHz $\pm 2$ Hz	
Distortion	<0.3% (@Main 90%, Pilot off)		
<b>Memory</b>			
Preset Keys	FM	3.5kHz,22.5kHz,75kHz	
	AM	30%	
	Stereo	30%,100%	
	Output Level	4 points	
Memories	100 points		
Dimension	225mm×280mm×108mm		
Weight	4.5kg		