

PM1200

Handheld radio comprehensive tester

Frequency range 2MHZ~1300MHZ

High integration

powerful

Meet the needs of diverse special tasks



Duplex test **Spectrum analysis**

Performs receive, transmit, and duplex testing of FM, AM, and single side-band radios, and can measure a wide range of radio parameters. Built-in RF synthesis source, RF power meter, RF frequency meter, RF modulation meter, dual audio synthesis source, audio voltmeter, audio frequency meter, signal meter, distortion meter, oscilloscope, spectrum analyzer, standing wave meter, cable fault Test instrument functions



Receiving
test



Transmitting
test



Dual public
test



Audio
Mode



Waveform
Analysis



Spectrum
Analysis



Standing wave
analysis



Call mode



System
settings



The strength appears **Ridiculously strong**

Features waterproof and touch screen protection

It is equipped with a touch screen protective cover and a camouflage protective cover, which can protect the touch screen during transportation and can also be used in rainy weather.

With large capacity data storage function

It can store more than 1,000 sets of measurement data, making it easy for users to view and compare measurement results in different time periods.

Having multiple interface functions

It has RS232, USB, and LAN interfaces to meet the interface needs of different users.

Dual testing function doubles detection efficiency

It can test RF transmitters and RF receivers at the same time, doubling the efficiency of simplex test instruments.

Antenna and feeder cable testing can quickly locate cable faults

It has advanced antenna and feeder testing functions, and uses the accurate "touch search" test cursor function to quickly locate the distance to the fault point, and the distance location error of the cable fault point is less than 1 meter.

Equipped with sub-audio capabilities to expand detection capabilities

It can generate CTSS and DCS signals and conduct measurement and analysis, and can be applied to the detection of communication equipment such as walkie-talkies, relay communications, and sub-audio grouping.

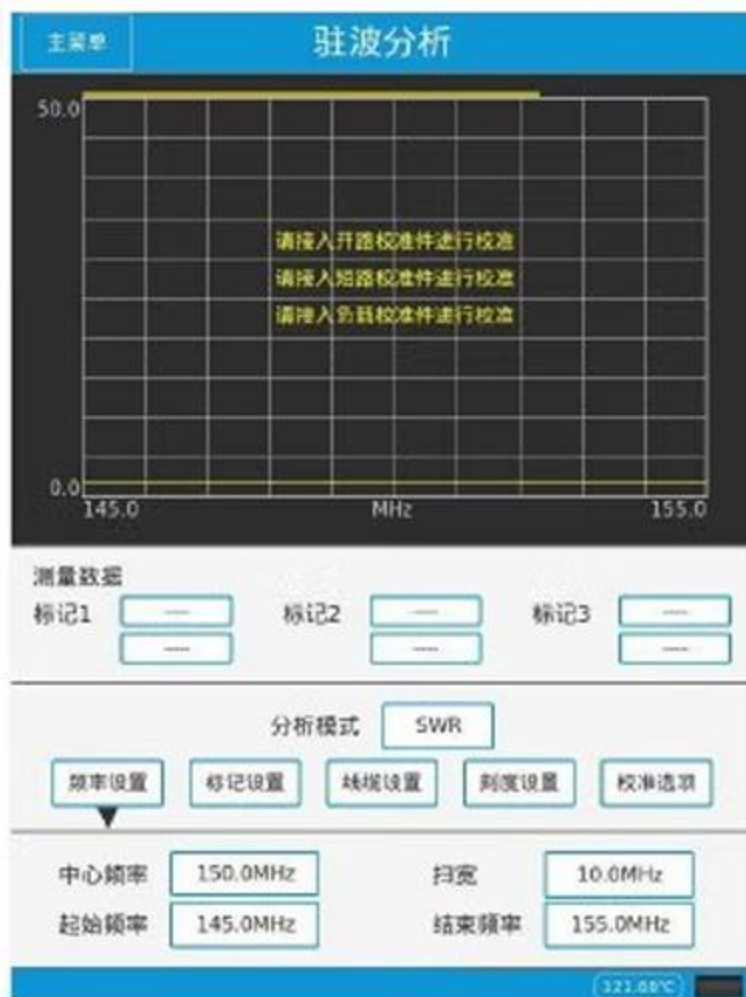
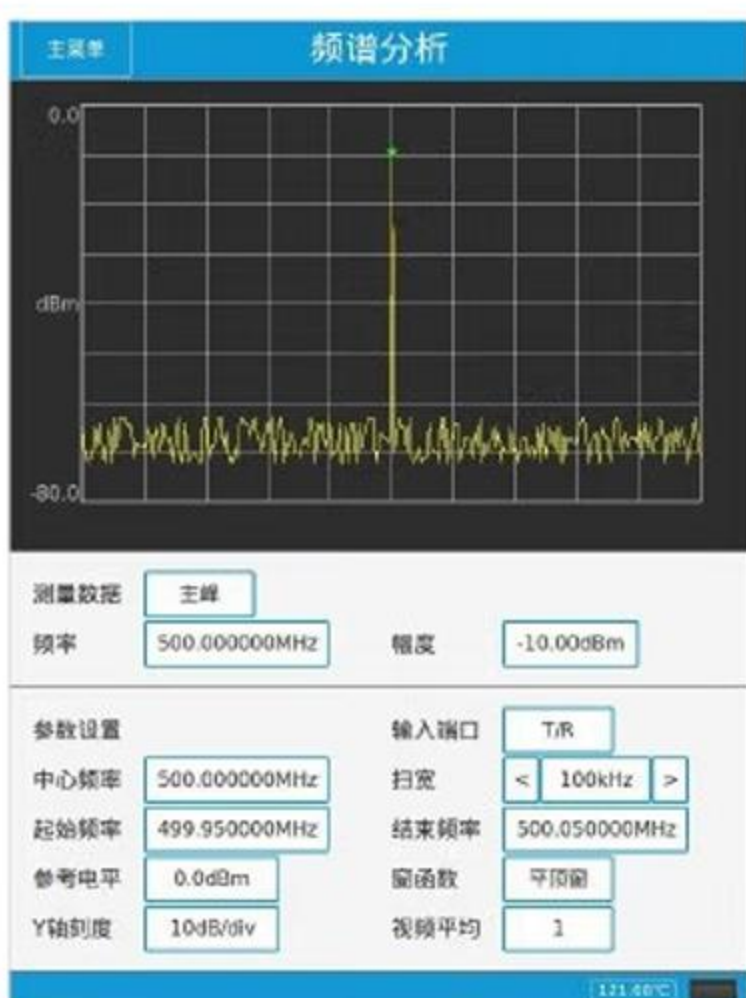
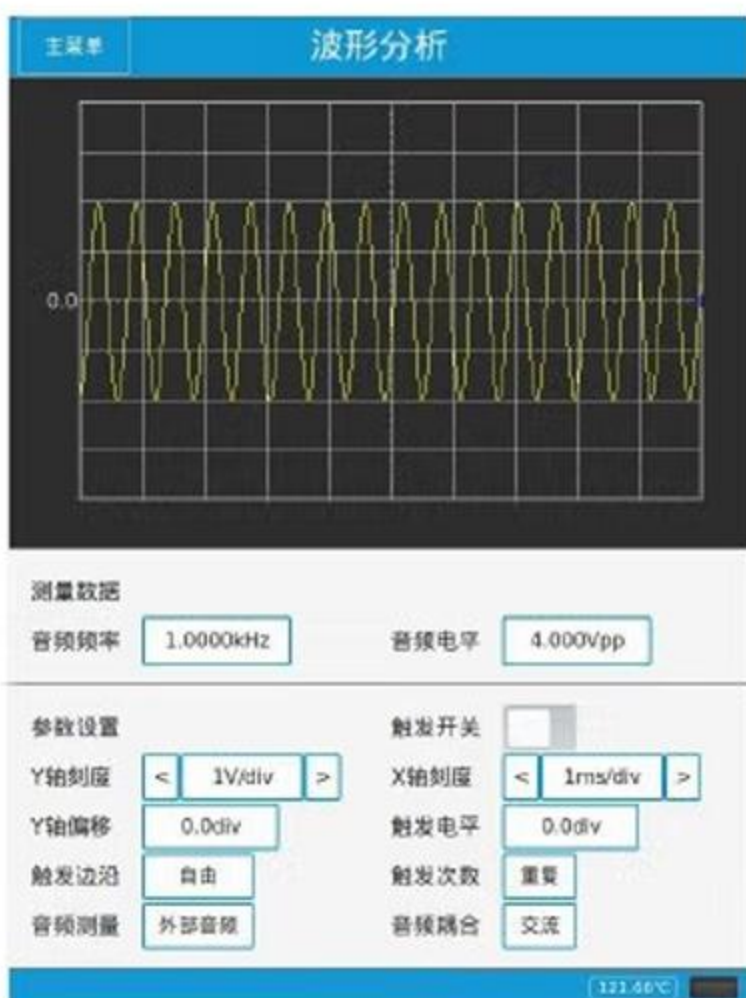
With single side-band modulation and demodulation functions

It can meet the testing needs of more communication equipment.



Radio comprehensive tester

Test interface



音频测量

解调音频

解调频率



解调失真



解调频偏



解调信纳

 $\pm Peak/2$

音频阻抗

高阻

音频耦合

交流

射频测量

输入端口

T/R

调谐频率

500.000000MHz

射频频差



宽带功率



窄带功率



解调模式

调频

类型选择

音频解调

中频带宽

30kHz

音频带宽

0.3-3k BP

音频输出

内部音频

音频通道

线路

音频输出1



音频输出2



音频频率1

1.0000kHz

音频频率2

1.0000kHz

音频电平1

1.000V

音频电平2

1.000V

121.69°C

音频测量

解调音频

解调频率



解调失真



解调频偏



解调信纳

 $\pm Peak/2$

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音频解调

中频带宽

30kHz

音频带宽

0.3-3k BP

射频输出



输出端口

T/R

射频频率

500.000000MHz

射频幅度

-50.0dBm

调制模式

调频

类型选择

音频调制

内调制1



调制频偏1

1.000kHz

调制频率1

1.0000kHz

内调制2



调制频偏2

1.000kHz

调制频率2

1.0000kHz

121.69°C



Main Specifications

RF frequency error meter

RF input signal amplitude range:

80dBm~-10dBm (antenna input port);
-20dBm~+44dBm (RF input and output port);

Input frequency range: 2MHz~1300MHz

Measuring range: $\pm 500\text{kHz}$

Resolution: 1Hz

Output amplitude range: -5dBm~-125dBm

Output amplitude error: $\pm 2\text{dB}$ ($\geq -100\text{dBm}$) , $\pm 3\text{dB}$ ($< -100\text{dBm}$)

RF power meter

Input frequency range: 2MHz-1300MHz

Received signal strength meter (narrowband power; receiver mid-band power)

Measuring range: RF input and output port: -50dBm~+44dBm

Antenna port ($2\text{MHz} \leq f \leq 10\text{MHz}$) : -95dBm~-10dBm

Antenna port ($f > 10\text{MHz}$) : -110dBm~-10dBm

RF modulation meter

RF input signal amplitude range:

-80dBm~-10dBm(antenna input port)

-20dBm~+44dBm(RF input and output port)

RF frequency range: 2MHz~1300MHz。

Demodulation frequency: 150Hz~1kHz);

Tone generator

Frequency range: 20Hz~20kHz。

Output frequency resolution: 0.1Hz。

Output amplitude range: 0~1.57Vrms。

Output amplitude resolution: 0.01Vrms。

Distortion: $\leq 3\%$ (1kHz frequency, sine wave)。

Audio analyzer

Frequency measurement range: 15Hz~20kHz

Frequency measurement error: $\leq \pm 1\text{Hz}$

Input level range: 10mVrms~30Vrms

Voltage measurement range: 10mVrms~30Vrms

Distortion and signal sensitivity measurement frequency: 1kHz

Total distortion and harmonic distortion measurement range: 0~100%

Satisfactory measurement range: 0dB~40dB

Input impedance: 150 ohms, 600 ohms, 1k ohms, and high impedance

Standing wave and cable test mode

Frequency range: 2MHz~1300MHz

Span range: 10MHz~1298MHz

Standing wave measurement range: 100~20.00

Standing wave measurement resolution: 0.02

Return loss measurement range: 0.0~50.0dB

Return loss measurement resolution: 0.01dB

Cable loss measurement range: 0.0~50.0dB

Cable loss measurement resolution: 0.01dB

Audio scope mode

Voltage measurement range: 0~30Vrms

Time base scale: 0.1ms/div~100ms/div

Voltage scale: 10mV/div~20V/div

Bandwidth: 20kHz

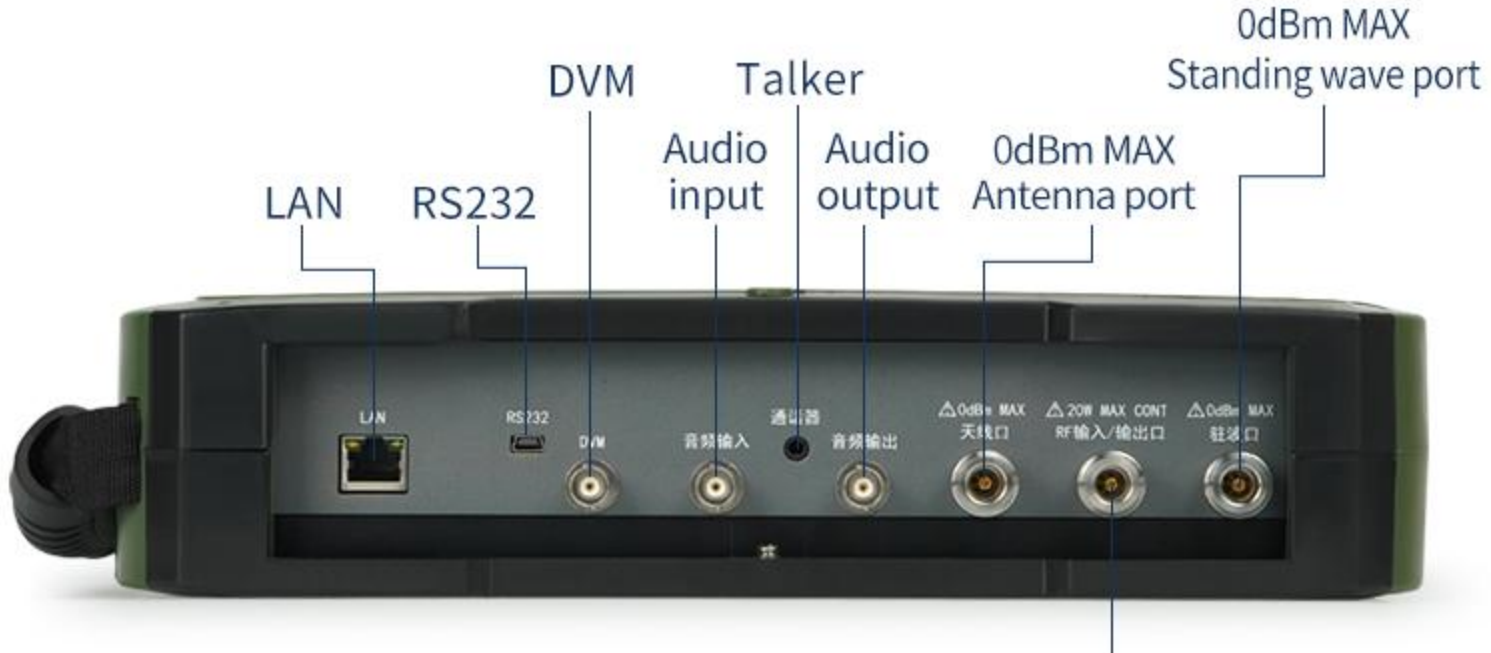
Interface function

1 RF input and output port

1 antenna input port

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Interface display



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Parameters

Accessories List



Serial number	Name and model	Quantity
1	PM1200 radio comprehensive tester	1
2	user's Guide	1
3	Talker	1
4	Dual SMA cable	1
5	Double BNC cable	1
6	SMA interface foldable rod antenna 450MHZ	1
7	SMA interface foldable rod antenna 800MHZ	1
8	Power adapter GS120A24	1
9	Power cord 8411B-3X28X015-2M	1
10	SMA type male 50Q load calibration piece	1
11	SMA type male short circuit calibration kit	1
12	SMA type male open circuit calibration kit	1
13	OF4930 certificate	1



Product Display





TFN

PMI 品牌 无线电话测试仪

双工模式

音频测量	音频音频	音频阻抗	高阻	音频耦合	交流
音频频率	----	音频失真	----		
音频带宽	----	音频信纳	----		
输入端口	T/R	射频增益			
测试频率	500.000000MHZ	射频频率			
音频功率	----	窄带功率			
音频模式	音频	类型选择	音频解调		
中频带宽	30KHZ	音频带宽	0.3-3K BP	外置衰减	未接入
射频输出	<input type="checkbox"/>	输出端口	T/R		
射频频率	500.000000MHZ	射频幅度	-50.0DBM		
外调制	<input type="checkbox"/>	类型选择	音频调制		
内调制1	<input type="checkbox"/>	调制模式	音频		
内调制2	<input type="checkbox"/>	调制频率1	1.000KHZ	调制频率1	1.0000KHZ
		调制频率2	1.000KHZ	调制频率2	1.0000KHZ