



# Meiruike Instruction Manual

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RK5991 POLARITY TESTER



## OVERVIEW

The instrument suitable for testing of any type, size, materials, impedance of the speakers, headphones, Dynamic receiver of the "+", "-" polarity for automatic fast-discrimination purposes. The instrument is easy to operate, must not misjudge, automatic LED alarm indicator. Instrument is automatically and quickly using the latest pulse measurement method can be produced with the RK1212 series of audio sweep instrument connected to the pipeline at the same time pure-tone detection and other indicators of the speaker.

### I Main technical characteristics

1. 1 The width of Pulse: 0.4ms

1. 2 The scope of pulse:  $> 10\text{vp-p}$  (when the switch is put onto "H")

When the range switch placed onto "H": Adapt to general speaker

When the range switch placed onto "M": Adapt to dome speaker

When the range switch placed onto "L": Adapt to MYLAR

Speaker or the dynamic receiver.

1. 3 Sensing microphone: condenser microphone for audio.

1. 4 Buzzer: You can switch "+" or "-" Alarm.

1. 5 Test Sensitivity:  $\geq 25\text{cm}$  to the speaker.

1. 6 Discriminant speed: 0.2 seconds.

1.7 Power Supply

1.7.1 Voltage: AC 220V  $\pm$  10%

1.7.2 Frequency: 50Hz  $\pm$  2Hz

1.8 Work Environment

1.8.1 Temperature: 0 °C ~ 40 °C

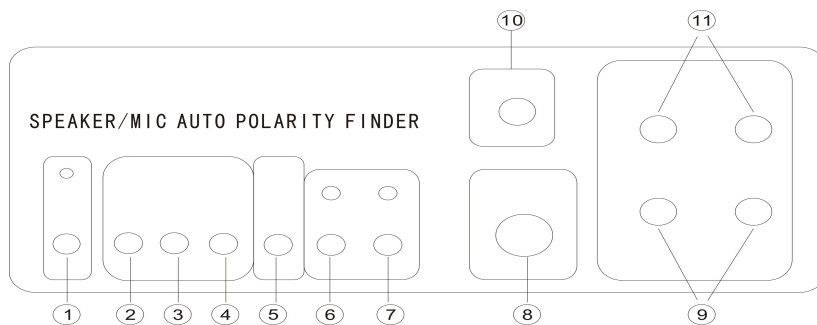
1.8.2 Relative humidity: <RH80%

1.8.3 Atmospheric pressure: 86kPa ~ 104kPa

1.9 Dimensions: 230mm  $\times$  205mm  $\times$  80mm (l  $\times$  b  $\times$  h)

1.10 Weight: About 1.5kg

## II、Panel Description



1. (POWER) switch, press down it, the red Indicator will bright.

2. "L" Options button

3. "M" Options button

4. "H" Options button

5. P: polarity button. S: sweep button.

6. 7. (POLARTTY) " - ", " + " The switch with the buzzer , " - " polarity indicator, " + " polarity indicator.

8. (MIC) Sensor microphone input

9. (OUTPUT) Output port, contact with the tested speaker or the

dynamic receiver.

10. (REMOTE) Please contact Remote control here.

11. (INPUT) When this machine is contact with the audio sweeping generator, the output of the generator must be contacted here.

### **III、 USER GUIDE**

3. 1 Put on the power switch, the indicator light will bright.

3. 2 Select different button in different accordance. There have three switches: high, low, middle, changing the speaker output level tester.

3.2.1 High: Adapt to General loudspeakers.

3.2.2 Low: Adapt to MYLAR speaker /Dynamic receiver.

3.2.3 Middle: Adapt to the spheroid speaker.

3. 3 P: polarity, this instrument dedicated to test polarity. S: sweep. The audio sweeping generator must contact with the output port. If the remote of the switch of the microphone is turn off, the sound output into the speaker is the sweep signal. You must press down the switch to turn on the remote to test the polarity.

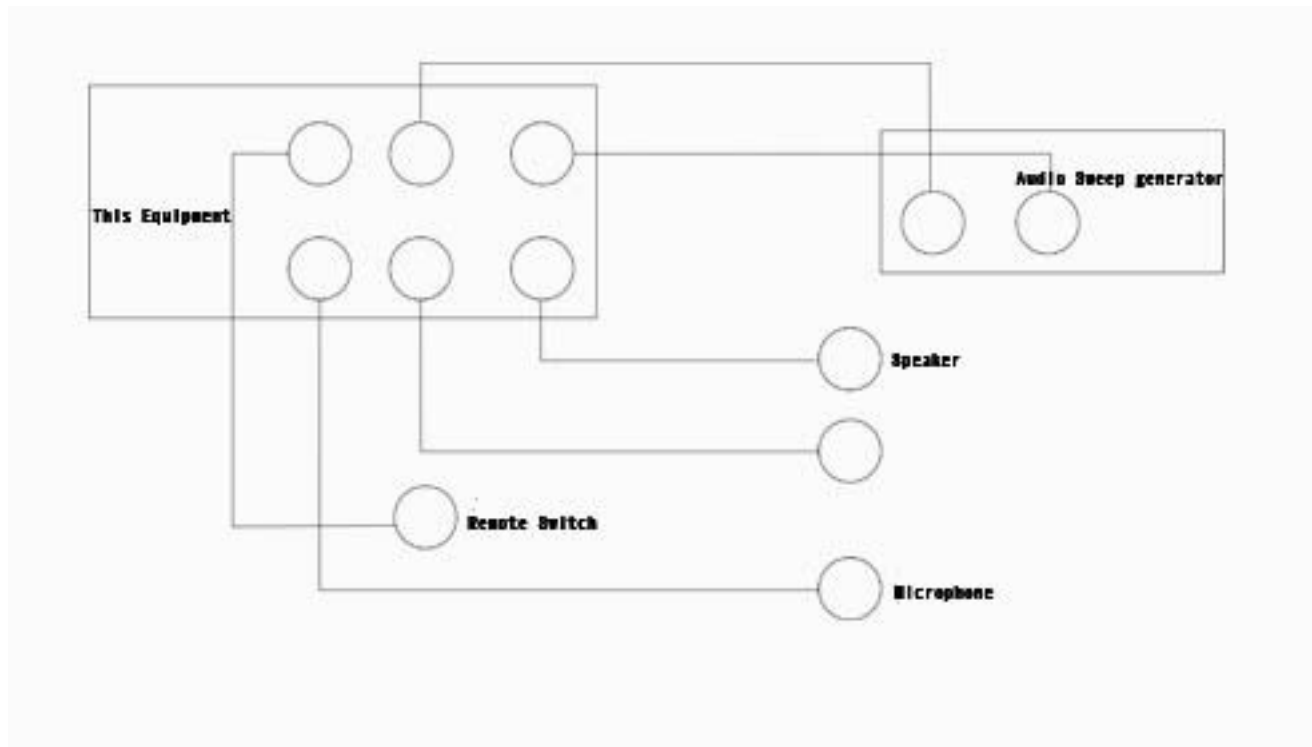
3. 4 Sensing microphone: when testing, Insert the plug into the "MIC" and turn on the microphone.

3. 5 Please connect the instruments and parts according to the figure below, and then take the tested speakers close to the microphone sensor.

Green (+) light-emitting diode, it means output line at the green speaker terminal polarity is "+."

Red (-) light-emitting code, it means output line at the red speaker terminal polarity is "-."

3. 6 Buzzer selector switch placed in the "+", then the green light and the buzzer alarm. Switch placed in the "-", then the red light and the buzzer alarm.



#### IV、 ACCESSORIES AND RELATE DOCUMENTS

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|-------------------------|-------|
| 4. 1 Manual             | 1 pcs |
| 4. 2 Sensing Microphone | 1 pcs |
| 4. 3 Output line        | 1 pcs |
| 4. 4 Remote Port        | 1 pcs |
| 4. 5 Sensor fixation    | 1 pcs |





Scan the qr code with a browser.

Vsist our website for more product information.

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