

SUNWA

SUNWA

SUNWA ELECTRIC
INSTRUMENT CO., LTD.

YX-360TR^{ES}
MULTITESTER

OPERATOR'S MANUAL

—, GENERAL INSTRUCTION

1. ZERO ADJUSTMENT

Before making a measurement, check that the pointer is at zero. If not, adjust with the CORRECT SCREW below the name plate.

2. SELECTION OF RANGE

Make sure that the RANGE SELECTOR is correctly set before making a measurement. When selecting the range, rotate the RANGE SELECTOR until its white index is at the desired range position.

3. CONNECTIONS OF THE TEST LEADS

The red test lead is plugged into the plus terminal, and the black one into the minus terminal

4. READING THE SCALES

The first two scales from the top read Ω . The upper scale is for the $K\Omega$ range and the lower scale for $\times 1$ and $\times 10$ ranges. The 2nd scale from the top is used in common for DCV, DCmA and ACV. The 3rd scale for the ACV10V. The 4th scale for Battery load voltage measurements.

1.5V
RL100

二、SPECIFICATIONS

1.

Measure- ment	Measurement ranges	remarks	Allowance
DCV	0.25-10-50-250 500-1000V	4000 Ω / V	$\pm 5\%$ fs
ACV	10-50-250-500-1000	4000 Ω / V	$\pm 5\%$ fs
DCmA	0.25-25-500mA	< 0.4V	$\pm 5\%$ fs
Ω	X1-X10-XK		$\pm 5\%$ fs
BATT	0.8-1.6VV		

2. Operating Temperature: 0°C to 40°C.

3. Operating humidity: less than 85% R.H.

三、HOW TO MEASURE

1. Adjustment of meter zero position: Turn the zero position adjuster so that the pointer may align right to the zero position.
2. Connection of the test leads: Plug the red test lead into the plus terminal and the black test lead into the minus terminal.

MEASURING DCV

1. Set the range selector switch knob to an appropriate **DCV** range.
2. Apply the black test lead to the minus potential of measured circuit and the red test lead to the plus potential.
3. Read out measured value on DCV scale..
(Examples of readings)
1000V range: Take reading after multiplying 0-10 by 100.
500V range: Take reading after multiplying 0-50 by 10
250V range: Read 0-250 directly..
50V range: Read 0-50 directly.
10V range: Read 0-10 directly.
0.25V range: Take reading after multiplying 0-250 by 0.001.

MEASURING ACV

1. Set the range selector switch knob to an appropriate ACV range.
2. Apply the test leads to measured circuit.
3. Read out measured value on ACV scale. (Use exclusive red scale for AC10 range. Other range are common to DCV ranges)

MEASURING DCmA

1. Set the range selector switch knob to an appropriate DCA range.
2. Take out measured circuit and apply the black test lead to the minus potential of measured circuit and the red test lead to the plus potential.
3. Read out measured value on DCmA scale.

MEASURING Ω

1. Set the range selector switch knob to an appropriate Ω range.
2. Short the red and black test leads and turn the 0Ω adjuster so that the pointer may align exactly to 0Ω (If the pointer fails to swing up to 0Ω even when the 0Ω adjuster is turned clockwise fully, replace the internal battery with a fresh one.)
3. Apply the test leads to measured resistance.
4. Read out measured value on Ω scale. (x1=Read value directly. x10=Read value after multiplying it by 10. x1k=Read value after multiplying it by 1000.)

MEASURING BATTERY LOAD VOLTAGE

1.5V
RL:10 Ω

Battery capacity can be judged by measuring battery voltage when load is 10Ω . Manganese batteries and alkaline batteries can be measured in this way.

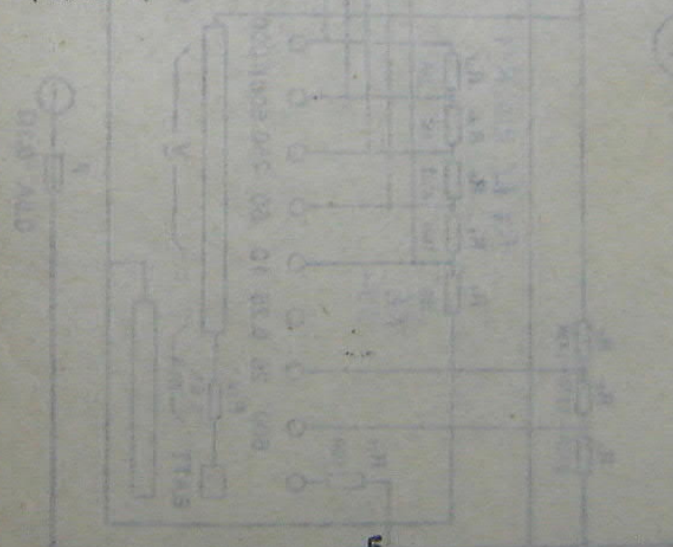
1. Set the range selector switch knob to

1.5V
RL:10 Ω

 position.
2. Apply the test leads to measured battery.
3. Read out measured value on

1.5V
RL:10 Ω

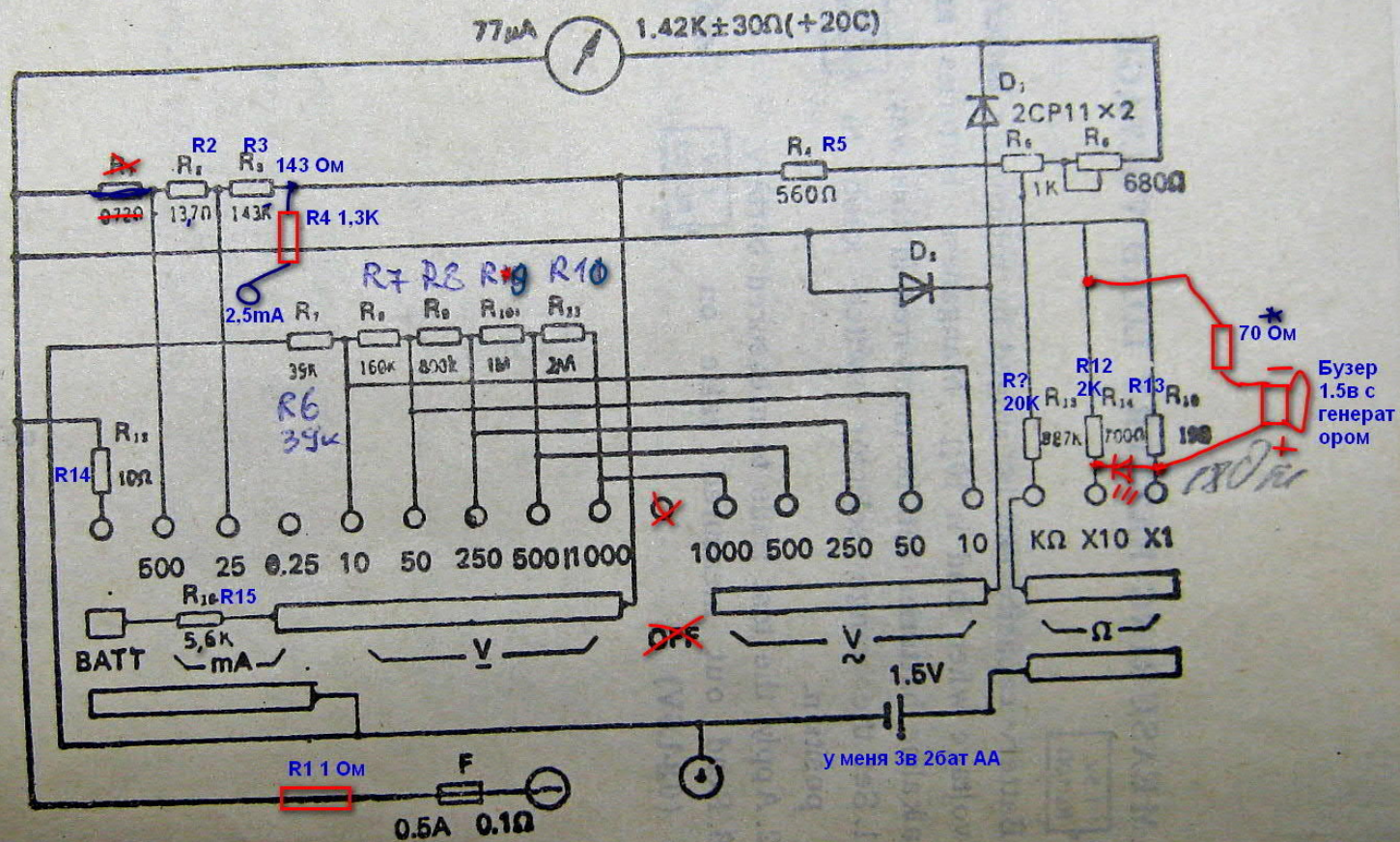
 scale. (0.8-1.6V)

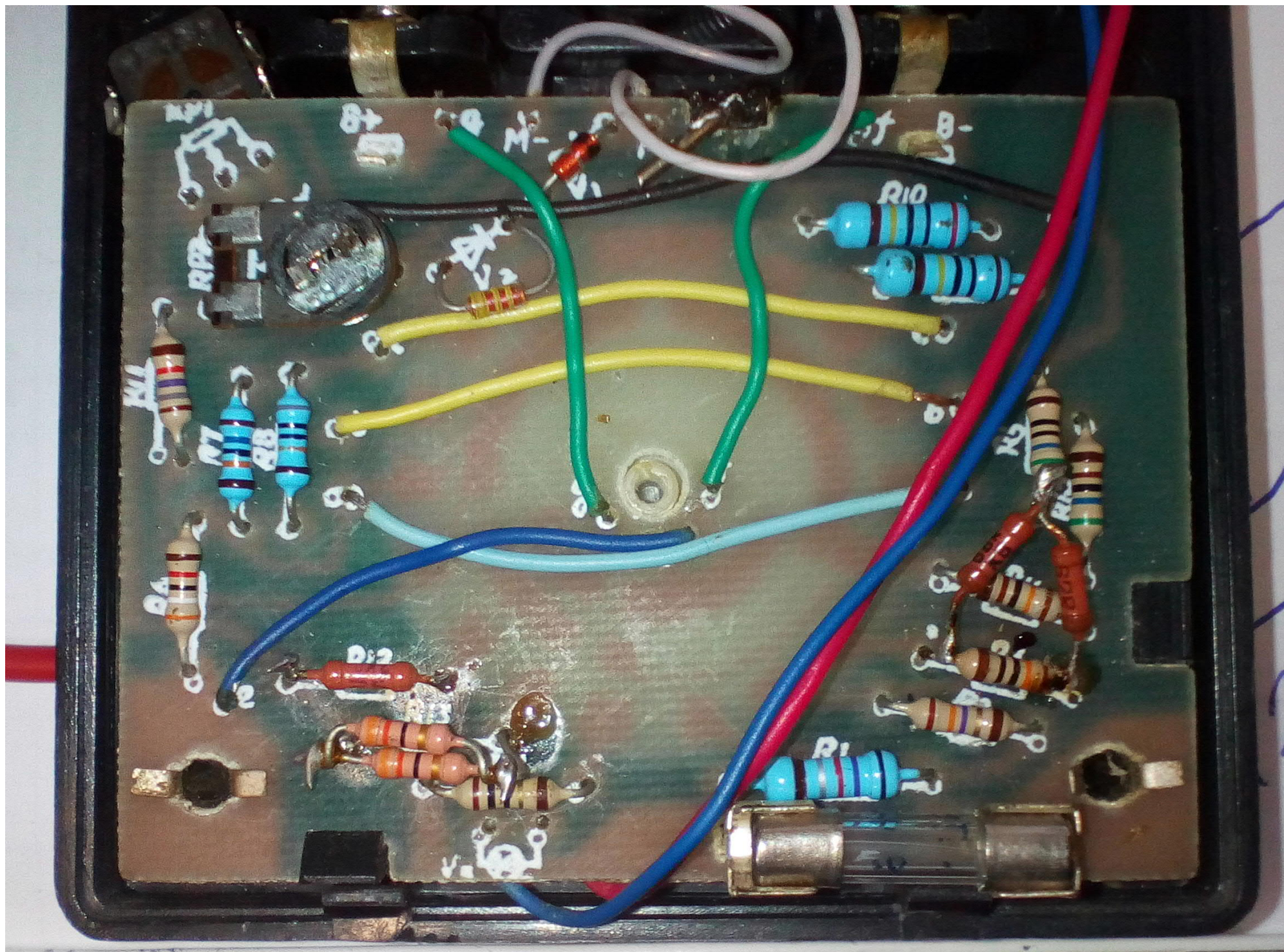


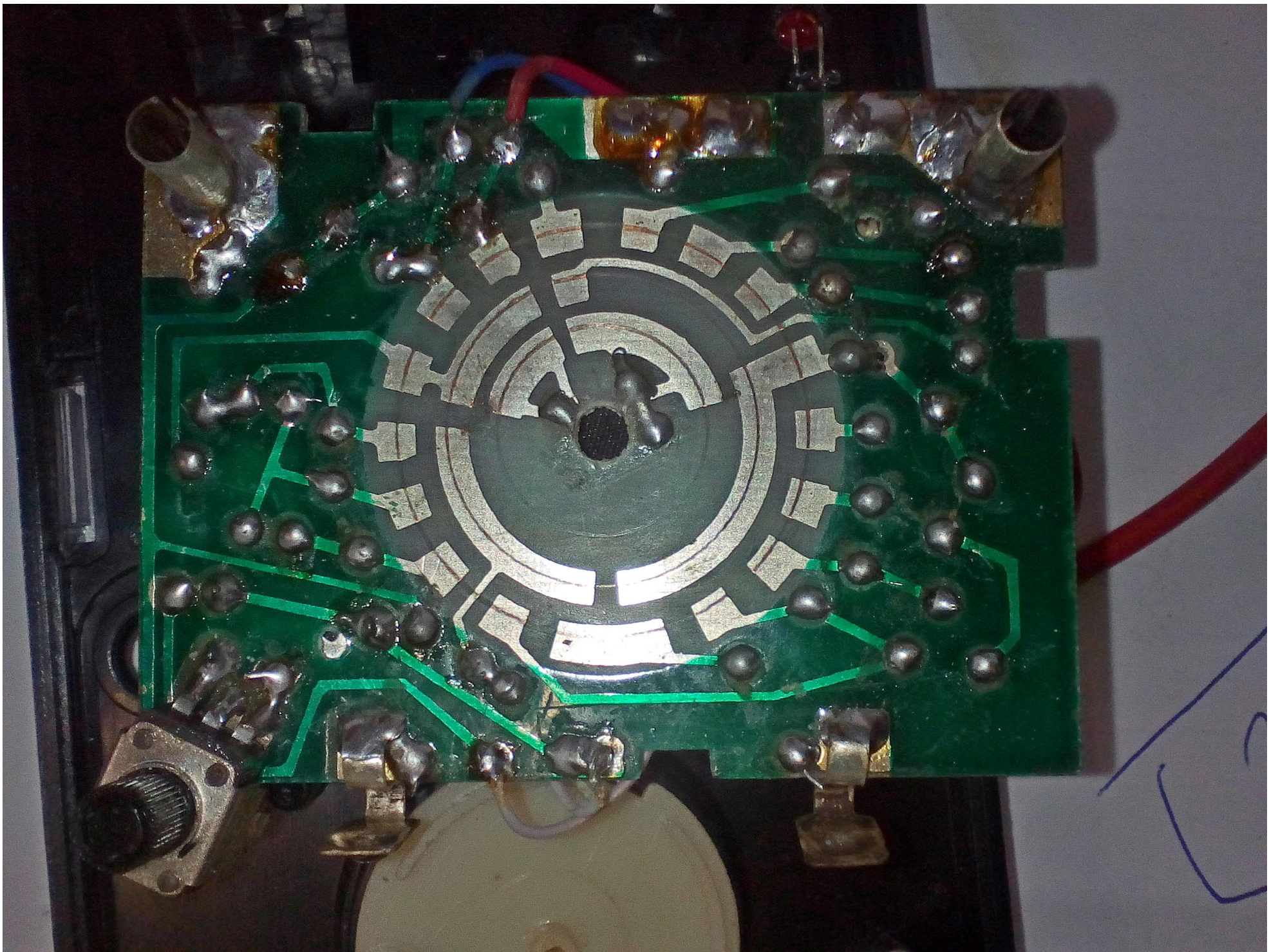
Circuit Diagram

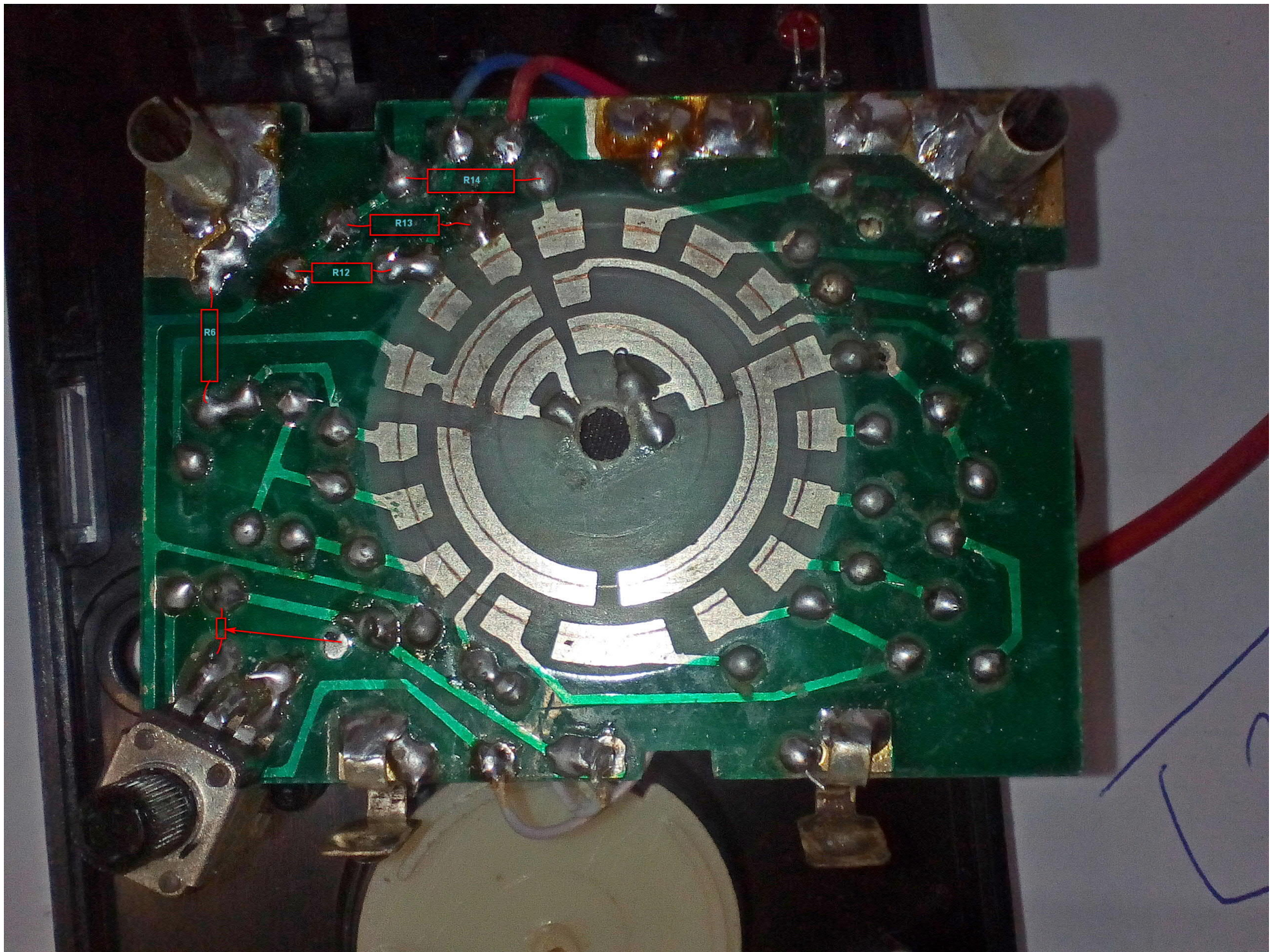
Мой SUNWA YX-360TRes и ориентировочная схема, плюс
добавлена звуковая прозвонка

Circuit Diagram



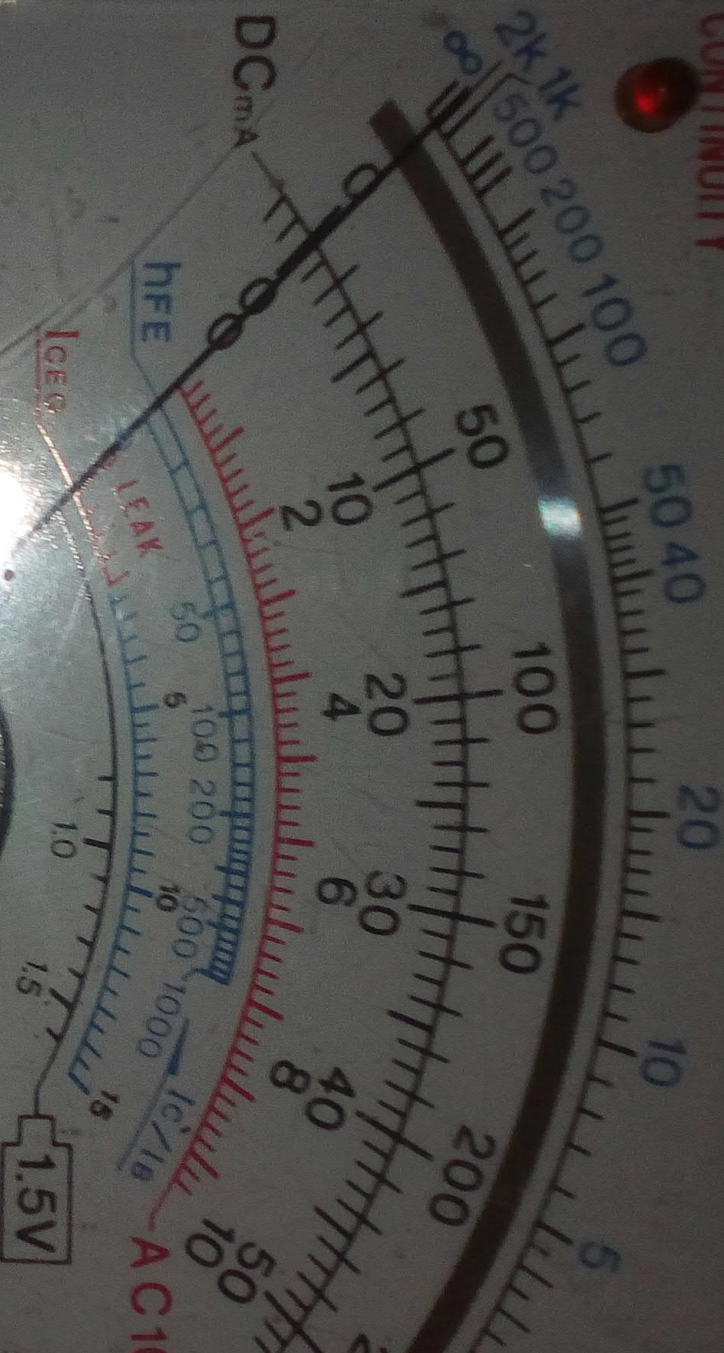








CONTINUITY



SUNWA

YX-360TR ES

**FUSE & DIODE
PROTECTION**

DC 4kΩ
AC

SUNWA ELECTRIC INSTRUMENT



NO.

0Ω ADJ

