

SINKYO®

ANALOG MULTIMETER MODEL : AM-100



- ***Smart*** Protection at Ω range
- Null DCV
- Gilded Test Leads
- Special circuit for testing at Max.20/200M Ω just with 1.5V batteries (9V Battery is not required)
- Adjustable rear tilt stand

RANGE SPECIFICATIONS & TOLERANCE LIST:

Functions	Range	Accuracy	Remarks
DV C	0.1-2.5-10-50-250V -1,000V	± 3% of FSD. ± 4% of FSD.	Input Impedence: 20KΩ/V Overload Protection: Max. 500V AC/DC BUT Range 0.1V: Max. 250V
Null DCV	±5V, ±25V	± 5% of FSD.	Input Impedence: 40KΩ/V Overload 1000V Max.
AC V	10-50-250V-1,000V	± 4% of FSD. Band width: 40 ~ 20K Hz NOTE #1	Input Impedence: 9 KΩ/V Overload Protection: Max. 500Vrms AC/DC. BUT
DC A	0.05-2.5-25-250mA	± 3% of FSD.	Drop Voltage: 50 mV Overload protected by one Fuse 0.5A at mA ranges.
Ω	X1: 0.2 ~ 2KΩ Midscale at 20Ω X10: 2 ~ 20KΩ Midscale at 200Ω X100: 20 ~ 200 KΩ Midscale at 2000 Ω X1K: 200~ 2MΩ Midscale at 20KΩ X10K: 2K ~ 20 MΩ Midscale at 200 KΩ X100K: 20K ~ 200 MΩ Midscale at 200KΩ	± 4% of ARC (Scale Length)	Overload protected by the Oxide Varactor & Thermal Resettable Fuse. The Input Voltage limit: Min.50V, Max. 250Vrms AC/DC. DO NOT Have the range selector knob Stay at Rx10K position after test
Decibel Check	-22 dB ~ + 62 dB (0dB=1mW at 600Ω)	Approximate Value	At ACV ranges via jacks & test leads
Transistor Check	hFE: 0-1000 via special Hfe socket	Approximate Value	At Ω X 10 Range
Diode Check	IF, IR, LI, LV	Not Specified Note#2	At Ω X 10 Range
Continuity Check	Beeper sounding plus LED Lighting ●) / RX1	< 20 Ω	Overload protected by Oxide Varactor & Fuse. Input Voltage Limit: Min. 50V, Max.250V AC/DC(5s).
POWER Supply	Internal Battery: AAA,R03P 1.5V 2pcs		

Voltage Category : CAT II 1,000V, CAT III 600V.
 Standard Environment : 23°C±3°C, less than 75% RH.
 Operating Temperature : 0°C to 40°C, 32°F to 104°F.
 Storage Condition : -10°C to 50°C, 14°F to 122°F, less than 80% RH.
 Size : 154(W)x 101(D)x 40(H) mm
 Weight : 235g approx. (including batteries)
 Accessories : 1 set of CAT II 1,000V(CAT III 600V)/10A class Test Leads.

Note#1: The extra indication error will occur as per the waveforms of measured ACV other than the sine wave.
 Its readings of rms value may be lower or higher than the actual root-mean-square value.

Note#2: For Diode test, Max. 60 μA in the x10k range; and Max. 0.15 mA in the x1k range; and Max. 15 mA in the x10 range;
 and Max. 150 mA in the x1 range.