

# SINKYO®

## ANALOG MULTIMETER MODEL : AM-200



- ***Smart*** Protection at  $\Omega$  range
- Null DCV
- Gilded Test Leads
- Special circuit for testing at Max.20/200M $\Omega$  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 Impedance: 20KΩ/V Overload Protection: Max. 500V AC/DC BUT Range 0.1V: Max. 250V
Null DCV	±5V, ±25V	± 5% of FSD.	Input Impedance: 40KΩ/V Overload 1000V Max.
AC V	10-50-250V-1,000V	± 4% of FSD. Band width: 40 ~ 20K Hz NOTE #1	Input Impedance: 9 KΩ/V Overload Protection: Max. 500Vrms AC/DC. BUT
DC A	0.05-2.5-25-250mA, 0.25 ~ 10A	± 3% of FSD. ± 4% of FSD.	Drop Voltage: 250 mV Overload protected by Fuses 0.5A/250V & 10A/250V at 10A range, and Oxide Varactor <250V. Max. testing time 1min. for 10A once.
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	± 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
BATT Check	0 ~ 1.5V: GOOD - ? - BAD 0 ~ 9V: GOOD - ? - BAD	Approximate Value	Load Current: 270mA for 1.5V 25mA for 9V Overload protected by Fuse & Oxide Varactor. <250V AC/DC(5s).
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 ⓘ)	< 200 Ω	Overload protected by Oxide Varactor & Fuse. Input Voltage Limit: Min. 50V, 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 : 160(W)x 105(D)x 40(H) mm  
 Weight : 325g 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.