DIGITAL MULTIMETER
MODEL SK-6555

★ Provided with Measuring Functions of Large Tester
★ Very Useful for Measurements and Repairs

DCV 0.5% Class

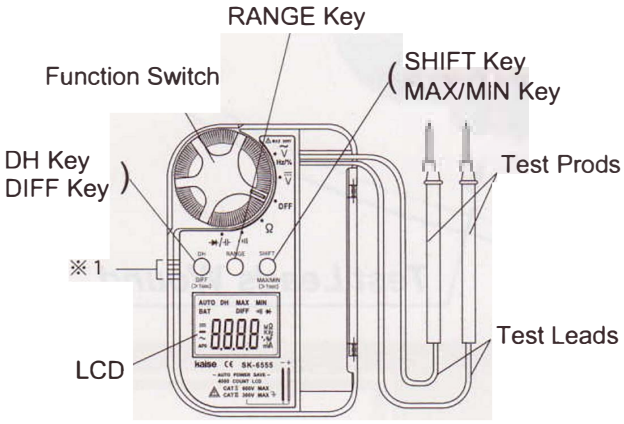
Features

14mm High Numerals,
4000 Count Large LCD

- ◆All-in-one Pocket-sized Plastic Case
- ◆Voltage, Frequency and Duty Cycle Measurements
- ◆MAX/MIN and Difference Measurements
- ◆Continuity by Buzzer, Diode Tests and Capacitance Measurements
- ◆Auto Power Save : Prevents battery consumption
- ◆Auto and Manual-Ranging, Data Hold
- ◆Safety Design : IEC61010-1 CAT Ⅱ 600V and EMC

GENERAL SPECIFICATIONS

1. **DISPLAY :**
   a. **Numerical Display :** 4000 count LCD, 14mm high.
   b. **Units and Symbols :** mV, V, Hz, %, Ω, kΩ, MΩ, nF, μF, ·ıı)), ⊣▸⊢, DIFF, MAX, MIN, BAT, DH, OL, AUTO, APS, ⎓, ~, − and dicimal point.
2. **OPERATING PRINCIPLE :** ΣΔ.
3. **RANGE SELECTION :** Auto and Manual-ranging.
4. **SAMPLING RATE :** 3 times per second.
5. **POLARITY :** Autopolarity, − symbol when minus.
6. **OVERRANGE INDICATION :** OL symbol appears. (excluding DC/AC 600V)
7. **DISPLAY HOLD / DIFF (Zero Adjustment) :**
   a. **Display HOLD :** Press DH / DIFF Key for less than 0.5 second.
   b. **Difference Measurement :** Press DH / DIFF Key for more than 1 second.
   c. **Zero Adjustment :** Press DH / DIFF Key for more than 1 second same as above before measuring Capacitance.
8. **MAX / MIN Value :** When measuring ⎓V, ~V, Ω, press MAX/MIN Key for more than 1 second.
9. **CONTINUITY TEST :** Buzzer sounds in case less than approx. 60Ω.
10. **BATTERY WARNING :** BAT symbol appears when battery voltage goes down below approx. 2.4V.
11. **OPERATING TEMPERATURE & HUMIDITY :** 0℃ to 40℃, less than 80%RH in non-condensing.
12. **STORAGE TEMPERATURE & HUMIDITY :** −20℃ to 60℃ less than 80% RH in non-condensing.
13. **POWER SUPPLY :** One 3V CR2032 Battery.
14. **POWER CONSUMPTION :** 4.5mW typically.
15. **BATTERY LIFE :** 70 hours continuous operation.
16. **AUTO POWER SAVE :** Power turns off automatically in 15 minutes after any switch operation.
17. **DIELECTRIC STRENGTH :** 3.7kV rms for one minute between Input Terminal and Cases.
18. **OVERLOAD PROTECTION :**
    a. V : 900V DC or AC rms max. for 1 minute. (400mV Range is 600V rms)
    b. Ω / ·ıı) / ⊣▸⊢ / ⊣⊢ : 300V rms max. for 1 minute.
19. **DIMENSIONS & WEIGHT :** 118(H) × 78(W) × 16(D)mm, 110g
20. **SAFETY LEVEL :** IEC-61010-1 Overvoltage CAT. Ⅲ 300V CAT. Ⅱ 600V and EMC Test passed.
21. **ACCESSORY :** Test Leads provided, Battery (Installed), Instruction Manual.
22. **OPTIONAL ACCESSORY :** 940 Alligator Clips.



※1) When opening the case cover, please push here.

(23℃±5℃, less than 80% RH in non-condensing)

1. DC Voltage (⎓V)

Range	Accuracy	Resolution	Input Impedance	Max Input Voltage
400.0mV	±0.5%rdg±3dgt	100μV	≧100MΩ	600V DC
4.000 V		1mV	≒11MΩ	
40.00 V		10mV	≒10MΩ	
400.0 V	±1.0%rdg±3dgt	100mV		
600 V		1 V		

Overload Protection : 900V rms for 1 minute

2. AC Voltage (~V)

Average Rectification

Range	Accuracy	Resolution	Input Impedance	Max Input Voltage
4.000 V	±1.5%rdg±5dgt	1mV	≒11MΩ	600V rms
40.00 V		10mV	≒10MΩ	
400.0 V		100mV		
600 V		1 V		

Overload Protection : 900V rms for 1 minute
Frequency Response : 50Hz~400Hz

3. Frequency (Hz)

Range	Accuracy	Resolution	Input Sensitivity	Max. Input Voltage
1.000Hz ~100.0kHz	±0.2%rdg ±2dgt	0.001Hz ~100Hz	3V rms	300V rms

4. Duty Cycle (%)

Range	Accuracy	Resolution	Input Sensitivity	Max. Input Voltage
0.0% ~99.9%	±0.5%rdg±5dgt	0.1%	<10KHz : 3V rms ≧10KHz : not specified	300V rms

Frequency Scope : 1Hz~1kHz

5. Resistance (Ω)

Range	Accuracy	Resolution	Test Current	Open Circuit Voltage
400.0 Ω	±1.5%rdg±4dgt	0.1 Ω	≦0.2mA	≒0.44V
4.000kΩ	±1.0%rdg±3dgt	1 Ω	≦50μA	
40.00kΩ		10 Ω	≦5μA	
400.0kΩ		100 Ω	≦0.5μA	
4.000MΩ	±3.0%rdg±3dgt	1 kΩ	≦50 nA	
40.00MΩ	±7.0%rdg±3dgt	10 kΩ		

Overload Protection : 300V rms

6. Continuity Tests (·ıı))

Range	Buzzer Sound	Response Time	Open Circuit Voltage	Overload Protection
400.0Ω	less than 60Ω	1m sec	≒0.44V	300V rms

7. Diode Tests (⊣▸⊢)

Range	Accuracy	Test Current	Open Circuit Voltage	Overload Protection
1.000V	±5.0%rdg±3dgt	≦0.7mA	≦1.7V	300V rms

8. Capacitance (⊣⊢)

Range	Resolution	Accuracy	Test Voltage
50.00nF	10pF	±5.0%rdg±10dgt	≦1.7V
500.0nF	100pF		
5.000μF	1nF		
50.00μF	10nF		
100.0μF	100nF		

Overload Protection : 300V rms

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