

CLAMP METER

kaise
Digital Clamp Meter

Easy Use as a Hand Tool !!

☆ Round Clamp Head opens two ways at slant position. It assures accuracy and easy use. <Patented item>

☆ Easy Operation with Rotary Switch!

☆ Wide Measurement Ranges!

- AC 0~400A(SK-7615), AC 0~600A(SK-7625),
- ACV: 0~600V, DCV: 0~600V, Ω: 0~20MΩ

Measurement items & Functions

- ~A** Current
400A Max(SK-7615) 600V Max
600A Max(SK-7625)
- V** Voltage
- Ω** Resistance
20MΩ Max
- |||** Continuity
Buzzer Sounds less than 60Ω
- +** Diode Test

Auto-ranging

Auto power off

Display Hold

Rugged & Compact Design!!

- Round Clamp Head with Balance Coils!
- Special Slant-opening Clamp Head grabs conductors easily!



SK-7615



SK-7625

<http://www.kaise.com>



ISO9001 Approved

High Quality Clamp Meter that contains DMM functions!!

Accurate Measurement

Round Clamp Head with Balance Coils assures high accuracy regardless of conductor position in Clamp Head.

Wide Range Operation

- AC 0A~400A (SK-7625 : 0A~600A) Measurement.
- Voltage, Resistance, Continuity and Diode Measurement is provided.

Compact Design

Very compact slim body and 3.5 digit LCD with auto unit and symbol indications.

Auto Power Off

Power is automatically turned off after about 15 minutes of power on condition. Battery Consumption is prevented when power-off is forgotten.

General Specifications

1. DISPLAY :

- Numerical Display ; 3.5 digit LCD, Maximum reading 1999, 12mm high.
- Units and Symbols ; $\bar{\sim}$, \sim , mV, V, A, M Ω , k Ω , \blacktriangleleft , $\bullet\parallel$, DH, BAT, AUTO, and decimal point.

2. OPERATING PRINCIPLE : Σ/Δ Conversion.

3. SAMPLING RATE : 3 times per second.

4. RANGE SELECTION : Auto-Ranging

5. OVERLOAD INDICATION : OL shows on 2/20A AC, 200/400A AC. Buzzer sounds when goes over DC1000V and AC750V.

6. BATTERY WARNING : "BAT" symbol shows.

7. DISPLAY HOLD : Displays are held by DH Key.

8. CONTINUITY TESTS : Buzzer sounds in case less than approx. 60 Ω on Resistance Measurement Function.

9. OVERLOAD PROTECTION :

- AC Current ; 1000A AC for one minute.
- Voltage ; 1000V AC/DC for one minute.
- Resistance/Continuity ; 350V AC for one minute.

10. DIELECTRIC STRENGTH : 2500V AC for one minute. (between Input Terminal and the cases)

11. OPERATING TEMPERATURE & HUMIDITY : 0°C to 40°C, less than 80% RH in non-condensing.

12. STORAGE TEMPERATURE & HUMIDITY : -20°C to 60°C, less than 70% RH in non-condensing.

13. TEMPERATURE COEFFICIENT : When 0°C to 18°C and 28°C to 40°C, (Accuracy on condition of 23°C \pm 5°C) \times 0.1%/°C

14. POWER SUPPLY : Two 1.5V (LR-44) batteries.

15. POWER CONSUMPTION : approx. 5mW (60mW for Buzzer). 30 hours continuous operation.

16. AUTO POWER OFF :

Power is automatically turned off after about 15 minutes on.
NOTE : AUTO POWER OFF, power consumption is highly saved, but it flows 10 μ A.

17. CONDUCTOR DIAMETERS : SK-7615.....Maximum 26mm SK-7625.....Maximum 42mm

18. DIMENSIONS & WEIGHT : SK-7615.....171(H) \times 72(W) \times 35(D)mm, 180g. SK-7625.....183(H) \times 78(W) \times 35(D)mm, 210g.

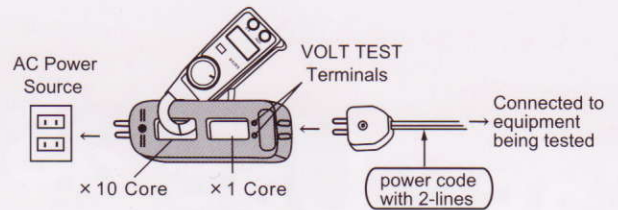
19. OPTIONAL ACCESSORIES : 880 Line Separator, 940 Alligator Clips.

* All specifications are subject to change without notice

Optional Accessories

● 880 Line Separator

Enables to measure a power cord with 2-lines.



● 940 Alligator Clip

Enables Hands-Free measurement by connecting to the Test Lead tips.

Measurement Specifications

(23°C \pm 5°C, less than 80%RH)

1-1. AC Current (\sim A) SK-7615 Average Rectification

	Range	Accuracy(50/60Hz)	Resolution	Max. Input Current
2/20A	2.000A	$\pm 5.0\%rdg \pm 10dgt$	1mA	20A rms
	20.00A	$\pm 2.0\%rdg \pm 7dgt$	10mA	
200/400A	200.0A	$\pm 1.5\%rdg \pm 7dgt$	100mA	400A rms (600V Line)
	400A		1A	

1-2. AC Current (\sim A) SK-7625 Average Rectification

	Range	Accuracy(50/60Hz)	Resolution	Max. Input Current
2/20A	2.000A	$\pm 5.0\%rdg \pm 10dgt$	1mA	20A rms
	20.00A	$\pm 2.0\%rdg \pm 7dgt$	10mA	
200/600A	200.0A	$\pm 1.5\%rdg \pm 7dgt$	100mA	600A rms (600V Line)
	600A		1A	

* Range Selection : 2 Range Automatic

* Overload Protection : 1000A rms for 1 minute

2-1. AC Voltage (\sim V) Average Rectification

Range	Accuracy	Resolution	Input Resistance	Max. Allowance
2.000V	$\pm 1.0\%rdg \pm 5dgt$	1mV	$\cong 11M\Omega$	600V rms
20.00V		10mV	$\cong 10M\Omega$	
200.0V		100mV		
600V		1V		

* Overload Protection : 1000A rms for 1 minute

2-2. DC Voltage (\equiv V)

Range	Accuracy	Resolution	Internal Resistance	Max. Allowance
200.0mV	$\pm 0.5\%rdg \pm 2dgt$	0.1mV	$\cong 100M\Omega$	600V DC
2.000V		1mV	$\cong 11M\Omega$	
20.00V	$\pm 0.8\%rdg \pm 2dgt$	10mV	$\cong 10M\Omega$	
200.0V		100mV		
600V	$\pm 1.0\%rdg \pm 2dgt$	1V		

* Overload Protection : 1000V DC for 1 minute

3. Resistance (Ω)

Range	Accuracy	Resolution	Measurement Current	Open Circuit Voltage
200.0 Ω	$\pm 1.5\%rdg \pm 5dgt$	0.1 Ω	≤ 0.3 mA	$\cong 0.4$ V
2.000k Ω		1 Ω	≤ 40 μ A	
20.00k Ω		10 Ω	≤ 4 μ A	
200.0k Ω		100 Ω	≤ 0.4 μ A	
2.000M Ω	$\pm 3.0\%rdg \pm 5dgt$	1k Ω	≤ 40 nA	
20.00M Ω	$\pm 5.0\%rdg \pm 5dgt$	10k Ω		

* Overload Protection : 350V rms for 1 minute

* DH Function : not available

4. Diode Tests (\blacktriangleleft)

Range	Accuracy	Open Circuit Voltage	Test Current	Overload Protection
1.000V	$\pm 5.0\%rdg \pm 3dgt$	≤ 1.7 V	≤ 0.7 mA	350V rms for 1 minute

5. Continuity Tests ($\bullet\parallel$)

Range	Buzzer Sound	Response Time	Open Circuit Voltage
200.0 Ω	$\cong 60$ Ω less	$\cong 1$ m sec	$\cong 0.44$ V

* Overload Protection : 350V rms for 1 minute

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