

**kaise**

**NEW** LEAKAGE AC CLAMP METER

**SK-7820**

Conductor Diameter  
φ24mm Max

**SK-7825**

Conductor Diameter  
φ40mm Max

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**THE WORLD'S FIRST!**

# **VIBRATION ALERT COMPARATOR** *INSTALLED*

**Compact & Easy-to-use  
Leakage Clamps**

- ❖ **Comparator** (Buzzer & Vibration)
- ❖ **Low Pass Filter**
- ❖ **AC Voltage Measurement**



SK-7820

SK-7825

Patent Pending

# Compact Leakage Clamp with Advanced Comparator Function. The Vibration Alert Clears the Noisy Surroundings Problem.

## ❖ Vibration Alert Comparator

SK-7820/7825 incorporate Comparator Function in ~mA range. Buzzer sounds and vibrates if measuring value exceeds the setting value. Even in noisy surroundings, that can drown out the buzzer sound, vibration helps your comparator measurement. (Vibration alert is cancelable.)

## ❖ Low Pass Filter

High-frequency noise filter to reject approx. 150Hz or more for accurate leakage current measurement. ON / OFF is selectable.

## ❖ Compact & Easy-to-use

Highly portable compact clamp that neatly fit in your hand almost like an industrial tool. Double-molded rubbers on function switch and trigger avoid your fingers' slips during operation.



SK-7820

## ❖ Long-time Measurement

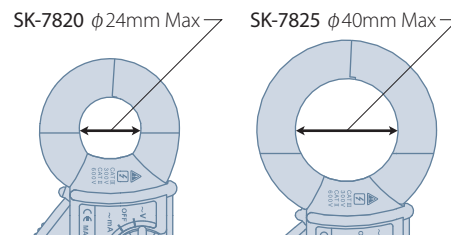
Approx. 100-hours continuous measurement is possible with alkaline cells. (not using comparator)



SK-7825

## ❖ Two-types-of Clamp Head

SK-7820's small clamp head assures easy clamping even for narrow conductors. SK-7825's large clamp head is suitable for thick conductors' measurement like 3-phase 3-wire system.



## ❖ Measurement Items

Not just a leakage current, AC current up to 100A and AC voltage up to 600V are measurable.



## ❖ Display Hold

Enables to hold LCD indications. Effective to confirm measurement values as necessary.

## ❖ Auto Power Off

Power turns off automatically after approx. 15 minutes of last switch operation to conserve battery life.

## ❖ CE Marking Approved

CAT III 300V, CAT II 600V

accuracy at 23°C ±5°C, <80% RH in non-condensing

Model	SK-7820 / 7825			
	Range	Accuracy (50/60Hz)	Filter ON (50/60Hz)	Frequency Characteristic (40 to 400Hz)
AC Current (Auto - ranging) ※ mA / A : switch selection	40.00mA	±1.0%rdg±5dgt	add ±1.0%rdg±3dgt	add ±1.0%rdg±3dgt
	400.0mA			
	40.00A	±2.0%rdg±5dgt		
	100.0A	±2.0%rdg±5dgt (40.1 to 80.0A) ±4.0%rdg±5dgt (80.1 to 100.0A)		
AC Voltage (Auto - ranging)	400.0V	±2.0%rdg±5dgt	add ±1.0%rdg±3dgt	add ±1.0%rdg±3dgt
	600V			
Functions	Vibration alert comparator, Low pass filter, Display hold, Auto power off			
Display (LCD)	4000 count, Maximum reading 4050, 12mm high			
Operating Principle	ΣΔ conversion			
AC Measurement	Average rectification			
Sampling Rate	2 times / second			
Range Selection	Auto-ranging (mA / A : switch selection)			
Overload Indication	"OL" indication			
Battery Warning	"BAT" indication at approx. 2.5V or less.			
Display Hold	Hold indicating values by DH Key			
Comparator	Setting range : 1 to 99mA Exceeding alert : Buzzer, vibration, and LCD blink			
Low Pass Filter	Reject high frequency (cutoff frequency : approx.150Hz)			
Auto Power Off	Power turns off automatically after 15 minutes. (cancelable)			
Overload Protection (50/60Hz)	Current : 150A rms for 1 minute (600V line) Voltage : 900V AC rms for 1 minute			
Dielectric Strength	3.54kV AC rms for 1 minute (50/60Hz, between input terminal and case)			
Operable Temperature & Humidity	0°C to 40°C, 80%RH or lower in non-condensing.			
Storage Temperature & Humidity	-20°C to 60°C, 70%RH or lower in non-condensing.			
Temperature Coefficient	Accuracy in 23°C ±5°C × 0.1 / °C			
Safety Level	CE Marking approved (IEC-61010-1, CAT III 300V, CAT II 600V and EMC Test passed.)			
Power Supply	1.5V (L)R03 (AAA) batteries × 2 ※Alkaline cell recommended.			
Power Consumption	Normal : Approx. 7mA During buzzer sounds : Approx. 14 mA During vibrating : Approx. 80mA			
Continuous Operating Time	Approx. 100 hours (Alkaline cell), Approx. 50 hours (Manganese cell), ※without using comparator function.			
Conductor Diameter	SK-7820 : φ24mm max., SK-7825 : φ40mm max.			
Dimensions & Weight	SK-7820 : 168(H)×58(W)×27(D)mm, Approx. 170g (Including batteries) SK-7825 : 184(H)×58(W)×27(D)mm, Approx. 180g (Including batteries)			
Accessories	Test Lead × 1 set, 1020 Carrying Case, 1.5V LR03 (AAA) batteries × 2, Instruction Manual			
Optional Accessories	880 Line Separator, 940 Alligator Clip			

DISTRIBUTOR

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