

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

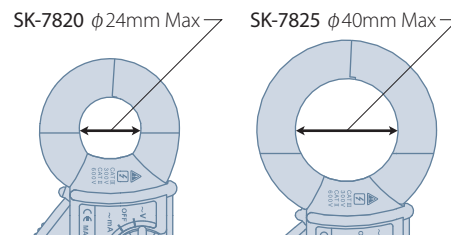
Approx. 100-hours continuous measurement is possible with alkaline cells. (not using comparator)



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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