kaise

NEW LOW CURRENT DC CLAMP METER

SK-7830

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CE

LOW CURRENT DC CLAMP,

For Car Maintenance

Quick! Easy!
Just Clamping-On!

- 4000mA DC Range
- **Power-On Initialize** (Automatic zero-adjustment function)
- Newly-Developed External-Noise-Preventable Core Mechanism

SK-7830

Patent Pending

Focused on Current Measurement in Car Maintenance. Quick and Easy Dark Current Measurement Just Clamping-On.

For Car Maintenance

Wide range of DC current measurement is possible from 4000mA to 200A range.

DC 4000mA | DC 40A/200A

Power-On Initialize

Automatic Zero-Adjustment function to adjust LCD indications into 0±1 digit when powered on.

Stable Reading

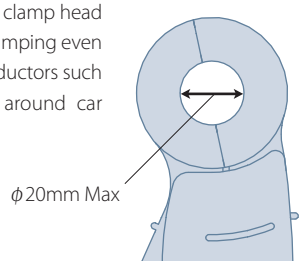
Even in low current measurement, SK-7830's LCD reading is always stable.
Generally, low current measurement value is hard to read due to its instability. SK-7830 solved this problem by its own internal processing system to minimize reading-instability.

Newly-Developed External-Noise-Preventable Core Mechanism

Shielded clamp core prevents external noise or effect of external magnetic field.

Small-Sized Clamp Head

SK-7830's small clamp head assures easy clamping even for narrow conductors such as the cables around car engine.



Display Hold

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

Difference Measurement

Relative measurement function. Just pushing 0 ADJ (DIFF) key, convert a measurement value into zero and indicate relative values.

Auto Power Off

Power turns off automatically after a lapse of following minutes.
4000mA range : Approx. 5 minutes
40A/200A range : Approx. 10 minutes

CE Marking Approved

CAT Ⅲ 300V, CAT Ⅰ 600V

Car Measurement with SK-7830

Dark Current Measurement

Dark Current : mA-level low current that is used after turning off the engine by such as car security system or audio settings back-up. Too much dark current causes battery runs out, but its measurement was difficult. SK-7830 solved this problem and make it quick and easy.

❶Leave the engine turned off for about 15 minutes. All electric components (headlights or lamps) must be turned off.
❷Clamp-on a minus cable of car battery.
❸Read the measurement value. If it is higher than the specified value, check ❶ once again.

Car Alternator's Charging Current Measurement

Car Alternator : Engine generator that outputs DC electricity. Measuring its charging current is effective to find the trouble that might cause battery runs out or battery damages.

❶Clamp B-terminal cable from car alternator.
❷Start the engine.
❸Alternator has no problem if 20A to 40A is displayed first, and then it slowly becomes lower.

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

Model	SK-7830	
DC Current Manual - ranging (4000mA) Auto - ranging (40A/200A)	Range	Accuracy
	4000mA	±1.5%rdg±5dgt (from 5mA)
	40.00A	(0 to 100A) ±1.5%rdg±5dgt
	200.0A	(101 to 200A) ±3.0%rdg±5dgt
Functions	Power-On Initialize, Display hold, Zero adjustment, Difference measurement, Auto power off	

Display (LCD)	4000 count, Maximum reading 4050, 12mm high
Operating Principle	ΣΔconversion
Sampling Rate	64 times / second (Display : 1 time/second)
Range Selection	Manual-ranging(4000mA), Auto-ranging(40A/200A)
Polarity	Auto-Polarity ("—" indication in minus)
Overload Indication	"OL" indication blinks
Battery Warning	"BAT" indication at approx. 2.3V or less
Display Hold	Hold indicating values by DH Key
Zero-Adjustment (Difference Measurement)	Adjust LCD into 0±1 digit and/or start Difference Measurement by 0 ADJ (DIFF) Key.
Auto Power Off	Power turns off automatically after approx. 5 minutes ; 4000mA range, or after approx. 10 minutes ; 40A/200A range.
Overload Protection	400A AC/DC rms for 1 minute (50/60Hz)

Dielectric Strength	3.54kV AC, 50Hz sine wave, for 1 minute (between iron core and case)
Operatable Temperature & Humidity	0℃ to 40℃, 80%RH or lower in non-condensing.
Storage Temperature & Humidity	-20℃ to 60℃, 70%RH or lower in non-condensing.
Temperature Coefficient	Accuracy in 23℃±5℃×0.1/℃
Safety Level	CE Marking approved (IEC-61010-1, CAT Ⅲ 300V, CAT Ⅰ 600V and EMC Test passed.)
Power Supply	1.5V R6P (AA) batteries ×2
Power Consumption	26mA max.
Continuous Operating Time	Approx. 60 hours (Alkaline cell), Approx. 30 hours (Manganese cell)
Conductor Diameter	ϕ20mm max.
Dimensions & Weight	203(H)×61(W)×30(D)mm, Approx. 230g (including batteries)
Accessories	1011 Carrying Case, 1.5V R6P (AA) batteries×2, Instruction Manual

DISTRIBUTOR

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