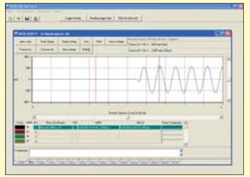
DIRECT DATA TRANSMISSION TO PC BY USB CONNECTION

Software is Enhanced **The recorded a large amount of data is analyzed and processed with the PC**

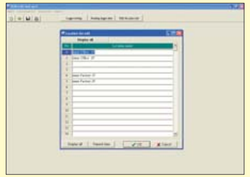
❶It easy sets it with PC It is possible to set it also with the main body.

❷A large amount data is easily processed

❸The graph also makes one by one click



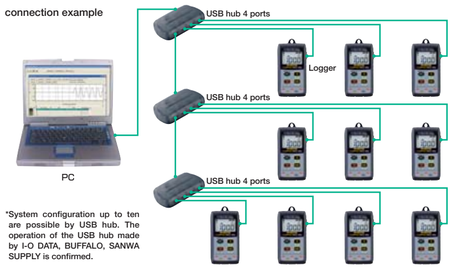
❹The name at the current state can be set



KEW LOG SOFT of an easy operation is attached

Because it is USB, it is low price and the system configuration is also possible

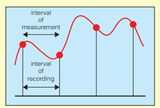
connection example



*System configuration up to ten are possible by USB hub. The operation of the USB hub made by I-O DATA, BUFFALO, SANWA SUPPLY is confirmed.

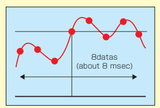
4 RECORDING MODES DEAL WITH ANY INSULATION WATCH

❶Continuous recording mode



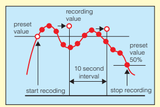
- To record the current change of a long term, and to measure and to record at constant intervals, the state of leak that changes along with time is confirmed.
- The memory number is 60,000. (1ch only is used.)
- There are 15 kinds of settings at record intervals from 1 to 60 minutes.

❷Event recording mode



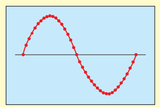
- Frequency is confirmed at a momentary current value of the leak generation and time.
- The operation of ELB complete is obtained by sampling by 1.6 milliseconds.
- When the current setting value is exceeded, eight data (a true effective value of about 0.8 seconds) and peak values are recorded before and behind that.
- LED blinks when the curent setting value is exceeded.

❸The maximum value recording mode



- Power is demonstrated in the discovery of intermittent leak.
- The operation of ELB is completely obtained by sampling by 1.6 milliseconds.
- The record begins when exceeding it to the current measurements, and 50% or less or the maximum values of the current detection value of ten minutes (every ten seconds) are recorded.
- LED blinks when the current setting value is exceeded.

❹Capture recording mode



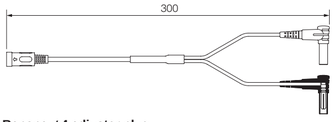
- The observation of the shape of waves is simply possible by sampling one millisecond.
- When the current setting value is exceeded, the instantaneous value of 200 milliseconds (For 10 to 12 shape of waves) is recorded before and behind that.
- LED blinks when the current setting value is exceeded.

Leakage Clamp Sensor

MODEL 8141 Ø24 **MODEL 8142** Ø40 **MODEL 8143** Ø68

	MODEL 8141	MODEL 8142	MODEL 8143
Size of conductor that can be measured	Max φ24mm	Max φ40mm	Max φ68mm
Range of input current	AC 0 to 1000mA	AC 0 to 1000mA	AC 0 to 1000mA
Output voltage	AC 0 to 100mV (AC 100mV/A)	AC 0 to 100mV (AC100mV/A)	AC 0 to 100mV (AC100mV/A)
Accuracy	±1.0%rdg±0.1mV (50/60Hz) ±2.0%rdg±0.1mV (40Hz～1kHz)	±1.0%rdg±0.1mV (50/60Hz) ±2.0%rdg±0.1mV (40Hz～1kHz)	±1.0%rdg±0.1mV (50/60Hz) ±2.0%rdg±0.1mV (40Hz～1kHz)
Withstand voltage	AC 3,700Vrms (1minute)	AC 3,700Vrms (1minute)	AC 3,700Vrms (1minute)
Code length and output terminal	Cable length 2m:MINI DIN 6pin	Cable length 2m:MINI DIN 6pin	Cable length 2m:MINI DIN 6pin
Operating temperature and range of humidity	0 to 50℃, 85% (non condensing)	0 to 50℃, 85% (non condensing)	0 to 50℃, 85% (non condensing)
Output impedance	about 200Ω	about 200Ω	about 120Ω
Safety standard	IEC 61010-1 CAT.Ⅲ 300V pollution level 2	IEC 61010-1 CAT.Ⅲ 300V pollution level 2	IEC 61010-1 CAT.Ⅲ 300V pollution level 2
Externals size	100 (L)×60 (W)×26 (D) mm	128 (L)×81 (W)×36 (D) mm	186 (L)×129 (W)×53 (D) mm
Weight	about 150g	about 240g	about 490g
Accessory	Portable case (MODEL 9095)	Portable case (MODEL 9095)	Portable case (MODEL 9094)
Option	Banana φ4 adjuster plug (MODEL 7146) Extension Cable (MODEL 7147)	Banana φ4 adjuster plug (MODEL 7146) Extension Cable (MODEL 7147)	Banana φ4 adjuster plug (MODEL 7146) Extension Cable (MODEL 7147)

Options



Banana φ4 adjuster plug
MODEL 7146

Extension cable
MODEL 7147

Safety Warnings : Please read the "Safety Warnings" in the instruction manual supplied with the instrument thoroughly and completely for correct use. Failure to follow the safety rules can cause fire, trouble, electrical shock, etc. Therefore, make sure to operate the instrument on a correct power supply and voltage rating marked on each instrument.

■For inquires or orders :

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Factories:Uwajima & Ehime

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Quality and reliability is our tradition.

ISO 9001/EN 29001/BS 5750
APPROVED BY BVQI

KYORITSU

New Release! **CHANGE THE IDEAL WAY OF THE INSULATION WATCH NOW**

MODEL 5000 Series

(Actual Size)

TRUE RMS CE

- The leakage current value of 1 to 3 channels can be recorded with the leakage clamping sensor, and 60,000 mass data can be recorded (Use it one channel)
- The recorded data can transmit to the personal computer directly by the USB connection, and edit the data analysis and the graphical display, etc.
- LED blinks when the current setting value is exceeded
- 4 recording modes that can correspond to any insulation watch are installed
  - ❶Continous recording mode ❷Event recording mode
  - ❸The maximum value recording mode ❹Capture recording mode
- Marvelous, continous measurement time
  - Standard type : About 25 days (MODEL 5000)
  - Long life type : About 40 days (MODEL 5001)

Standard type **MODEL 5000**

Long life type **MODEL 5001**

KEW LEAK LOGGER

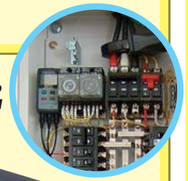
MODEL 5000/5001

KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD.

THE LEAKAGE CURRENT IS RECORDED BY 3CH INPUT

60,000 MASS DATA IS RECORDED

60,000 data is recorded when 1ch is used and when three all channels are used, 20,000 data is recorded for each channel



With magnet that can be set up anywhere of switchboard

Marvelous, continuous measurement time
Standard type : About 25 days (Model 5000)
Long life type : About 40 days (Model 5001)

Data where it doesn't disappear when battery is consumed
Data doesn't disappear by using the nonvolatile memory when the battery is consumed and the battery is exchanged. (warranty for 10 years)

Battery residual display
The battery state is displayed by 4 stages. (When blinking is displayed, it is possible to measure it for about one day)

The record beginning, the record method, the current state name, and the comment, etc. can be set with the software of the attachment at time now and record intervals

Switch of one time method and endless method
- **One time on**
Stop recording when the memory is filled.
- **One time off (endless)**
Overwrite from old data and leave the latest data.

Recall function
- Ten (date and record value) recent records can be confirmed with the main body.
- In the continuous record mode, the record number can be confirmed. The current detection number of each channel can be confirmed in other record modes.

LED BLINKS when the current setting value is exceeded

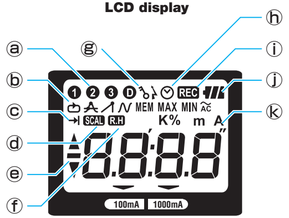
As for the leakage clamp sensor, an arbitrary combination is possible

THE LEAKAGE CLAMP SENSOR

THE LEAKAGE CLAMP SENSOR CAN BE CONNECTED UP TO THREE CHANNELS

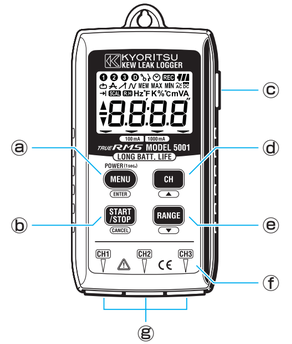
Display and Panel

LCD display



ⓐ Channel number
ⓑ Recording mode
ⓒ One time method
ⓓ Scale operation
ⓔ Menu operation guide
ⓕ Range holding
ⓖ Auto power off is being released
ⓗ Clock and timer
ⓘ Display when being recording
ⓙ Battery mark
ⓚ Unit of measurement

Main body operation part



ⓐ Power on-off
Menu mode
Menu selection
Setting change
Set registration

ⓑ Record beginning
Record stop
Return to the menu
Set cancellation

ⓒ USB joint

ⓓ Channel display change
Menu display change
Set value change

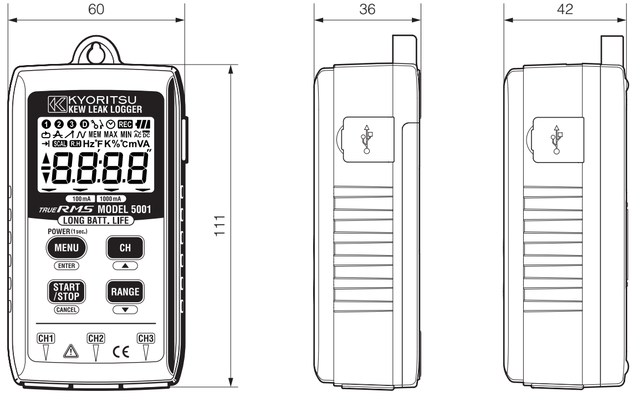
ⓔ range change
Menu display change
Set value change

ⓕ Current detection LED

ⓖ Leake clamp sensor con -nection connector (3 ch)

Externals Dimensional Drawing

*Model 5000 and model 5001 have the difference in the size of the depth.



Specification

● Measurements and precision (AC 50/60Hz)

• Continuous recording mode

Range	Measurement range	Accuracy	Accuracy of sensor combination
100mA	0 to 100.0mA	±1.0%rdg±5dgt	±2.0%rdg±10dgt
1000mA	0 to 1000mA		±2.0%rdg±6dgt

• Event recording mode / The maximum value recording mode

Range	Measurement range	Accuracy	Accuracy of sensor combination
100mA	0 to 100.0mA	±1.5%rdg±7dgt	±2.5%rdg±12dgt
1000mA	0 to 1000mA		±2.5%rdg±8dgt

• Capture recording mode *Accuracy of electric current adjudication is different. For details, refer to the operation manual

Range	Measurement range	Accuracy	Accuracy of sensor combination
100mA	0 to 100.0mA	±3.0%rdg±12dgt	±4.0%rdg±17dgt
1000mA	0 to 1000mA		±4.0%rdg±13dgt

Operation method	Comparison method one by one
Input	AC Voltage (AC 100mV/A)
Ratings maximum operation voltage	AC 170mVrms, 250mV Peak value
Number of input	3 channels
Measurement method	Value of true RMS
Measurement interval	1,2,5,10,15,20,30 sec. / 1,2,5,10,15,20,30,60 min.
Over input display	Display "OL" when you exceed the time base range
Warning of voltage of battery	Battery mark display of 4 stages
Continous available time	MODEL 5000:about 25 days on the event record mode (normal temp.) / MODEL 5001:about 40 days on the event record mode (normal temp.)
Insulation resistance	over 50MΩ / 1000V
Externals size	MODEL 5000:111 (L) ×60 (W) ×36 (D) mm / MODEL 5001:111 (L) ×60 (W) ×42 (D) mm
Weight	MODEL 5000:about255g (include batteries) / MODEL 5001:約315g (include batteries)
The maximum display	1049 counts
Applicable standard	IEC 61010-2-032 (JIS C 1010-2-32), CAT.Ⅲ 300V / CAT.Ⅱ 600V, IEC 61326 (EMC standard)
Battery	MODEL 5000:size AA alkaline battery×4 / MODEL 5001:size AA alkaline battery×6
Accessory	Manual, size AA alkaline battery, Softwear for making graphs (CD), USB cable, Portable case (MODEL 9118)
Option	Leakage clamp sensor (MODEL 8141, MODEL 8142, MODEL 8143) / Hard case (MODEL 9119)

Option

HARD CASE
MODEL 9119

It can accommodate three leakage clamp sensors in the accommodation space of a hard case by an arbitrary combination

• Leakage clamp sensor accommodation combination table

	Assortment					
Logger	1					
MODEL 8143		1				
MODEL 8142	2	1		3	2	1
MODEL 8141		1	2		1	2

■The set model bought easily was prepared

Set model	MODEL 5000-1	MODEL 5000-2
Leak logger (Standard type)	MODEL 5000×1	MODEL 5000×1
Leakage clamp sensor	MODEL 8141 (φ24mm) ×1	MODEL 8142 (φ40mm) ×2
	MODEL 8142 (φ40mm) ×1	
	MODEL 8143 (φ68mm) ×1	MODEL 8143 (φ68mm) ×1

Set model	MODEL 5001-1	MODEL 5001-2
Leak logger (Long life type)	MODEL 5001×1	MODEL 5001×1
Leakage clamp sensor	MODEL 8141 (φ24mm) ×1	MODEL 8142 (φ40mm) ×2
	MODEL 8142 (φ40mm) ×1	
	MODEL 8143 (φ68mm) ×1	MODEL 8143 (φ68mm) ×1