



lor LOGGER KEW 5050

Unpreceded for Logger

Quickly find electric leakerses with less time and more productivity.



Supporting various wiring systems (Single-phase 2&3-wire, Three-phase 3&4-wire)

Less susceptible to harmonics

1.800.561.8187



information@itm.com

Offering traditional leakage / load current

measurements as well

KEW 5050 Specifications

Wiring configuration	1P2W, 1P3W, 3P3W, 3P4W	Power source	LR6(AA)(1.5V) x 6 (Battery life approx. 11 h)	
Measurements and	Ior : Leakage current (Trms) with resistive components only	Display / update period	1 160 x 160 dots, FSTN monochrome display / 500 ms	
parameters	Io : Leakage current (Trms) with basic wave of 50/ 60Hz only	PC card interface	SD card (2GB) *standard accessory	
	Iom : Leakage current (Trms) including harmonic components	PC communication-interface	USB Ver2.0	
	V : Reference voltage (Trms) with basic wave of 50/ 60Hz only	Temperature and humidity range	23±5 ℃, less than 85%RH(without condensation)	
	Vm : Reference voltage (Trms) including harmonic components	Operating temperature	-10 to 50℃ less than 85%RH(without condensation)	
	R : Insulation resistance, Frequency(Hz), Phase angle(θ)	and humidity range		
Other functions	Digital output, Print screen, Back light, Data hold	Storage temperature	-20 to 60°C less than 85%RH(without condensation)	
Recording Interval	200/400ms/1/5/15/30s/1/5/15/30/60/120m	and humidity range		
or		Applicable Standards	IEC61010-1 CATIV, 300V CATII 600V Pollution degree 2	
Range	10.000/100.00/1000.0mA/10.000A/AUTO		IEC61010-2-030, IEC61010-031, IEC61326	
Accuracy	±0.2%rdg±0.2%f.s. + clamp sensor amplitude accuracy*1 + error of phase accuracy*2	Dimension/Weight	165(L)X115(W)X57(D)mm/approx. 680g (including batteries)	
	*1) Clamp sensor amplitude accuracy:sensor accuracy excluding the error range.	Included accessories	7273(Voltage test lead)	
	*2) add ±2.0%rdg to measured to value when using for leakage clamp sensor.		8262(AC adapter)	
	$(\theta$: within the accuracy of reference voltage/ current phase difference ±1.0°)		7278(Earth cable)	
Allowable input	1% - 110% (Trms) of each range, and 200% (peak) of the range		7219(USB cable)	
Display range	0.15% - 130% (display "0" for less than 0.15%, "OL" if the range is exceeded)		8326-02(SD card 2GB)	
lo *Range, Allowable input and Display Range are the same as lor			9125(Carrying case)	
Accuracy	±0.2%rdg±0.2%f.s.+ clamp sensor amplitude accuracy	Instruction manual, Cable marker, Software installation manual		
om *Range, Allowable	e input and Display Range are the same as lor	Alkaline size AA battery(LR6)x6		
Accuracy	±0.2%rdg±0.2%f.s.+ clamp sensor amplitude accuracy		KEW Windows for KEW 5050(software)	
Measurement metho	d Sampling speed 40.96ksps (every 24.4µs), gapless, calculate Trms values every 200ms.	Optional accessories	8177(lor Leakage clamp sensor 10A type ϕ 40mm)	
/oltage			8178(lor Leakage clamp sensor 10A type ϕ 68mm)	
Range	1000.0V		8329(Power supply adapter)	
Accuracy	±0.2%rdg±0.2%f.s. * for waveforms of sine wave 40 – 70 Hz	KEW 8146, 8147, 8148 (Leakage & Load clamp sensor)		
Allowable input	10 – 1000 V Trms, and 2000 Vpeak		KEW 8141, 8142, 8143 (Leakage clamp sensor)	
Display range	0.9 V - 1100.0 V Trms (display "0" for less than 0.9 V, "OL" if the range is exceeded)		KEW 8129, 8130 (Flexible sensor)	
Phase angle(θ)			KEW 8121, 8122, 8123 (Load clamp sensor)	
Display range	0.0° to ±180.0° (regarding the phase of reference voltage as 0.0°)	MODEL 8124, 8125, 8126, 8127, 8128 (Load clamp sensor)		
Accuracy	Within ±0.5° for the inputs of 10% or higher of leakage current range, sine wave	Shows insulation resistance (R) values determined by the following formula.		
	40 - 70 Hz reference voltage of 90 V Trms or higher.	V: Reference voltage/ lor: Leakage current with resistive components only		

AC100 - 240V(50/60Hz) 7VAmax

Displayed value is just for reference since the measurement method differs from insulation resistance testers and may not be consistent with each other.

Accsessories

External supply

Frequency meter range 40 - 70Hz







MODEL 7219 USB Cable 1500mm







MODEL 7273 Voltage test lead 3000mm

Optional

MODEL 8262 AC adapter

Earth Cable 1500mm

Set model

MODEL 8326-02 SD Card

MODEL 9125 Carryng case

Cable marker





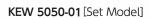
KEW 8178 Ior Leakage clamp sensor 10A type φ68mm(3m)

KEW 8177 Ior Leakage clamp sensor 10A type ¢40mm(3m)





KEW 5050-00 Power supply adapter Basic Model(main unit only)



for KEW 5050

Software



KEW 8178 × 1 Ior Leakage clamp sensor 10A type φ68mm(3m)

KEW 5050-02 [Set Model]



KEW 8177 × 1 Ior Leakage clamp sensor 10A type ¢40mm(3m)



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

For inquires or orders :



KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD.

1.800.561.8187

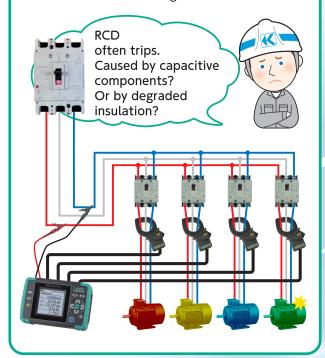


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Tests and records 4-system simultaneously in 200 ms gapless

Can measure 4 systems at once!

Best to diagnose circuit breaker problems Measures lor and loc separately to clarify the root cause of the electric leakage troubles.





Strong magnets help to fix KEW5050 to the metal distribution board.

Digital output

Activates alarm devices when events occur

SD card interface

Achieves long period of data logging. In case of sudden power interruption, data stored in the SD card aren't lost.

Possible recording time (with 2GB SD card)						
Interval	REC item					
Intervat	1P3W×1	1P3W×4	3P4W×4			
200ms	25days	8days	7days			
1sec	38days	11days	9days			
2sec	76days	22days	18days			
5sec	6.5mounths	1.8mounths	1.5mounths			
15sec	1-year or more	4mounths	5mounths			
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Accessories and optional parts





Allows connection with PC and access to SD card

Special data analysis software One-click graph and list generation. Visualizes timeline

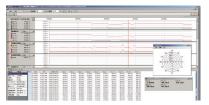
based graphs for easy analysis. Data can be checked without using this software by changing the file extension to csv or others.

Viewing data without using the software is possible by renaming the file with a CSV extension.

- [System Requirements] • OS: Windows® 10/ 8/ 7
- Display: XGA (1024 × 768) or
- higher
- · HDD: 1Gbyte or more Others: CD-ROM drive, USB port,

www.**ICN**.com

.NET Framework 3.5, 4.6

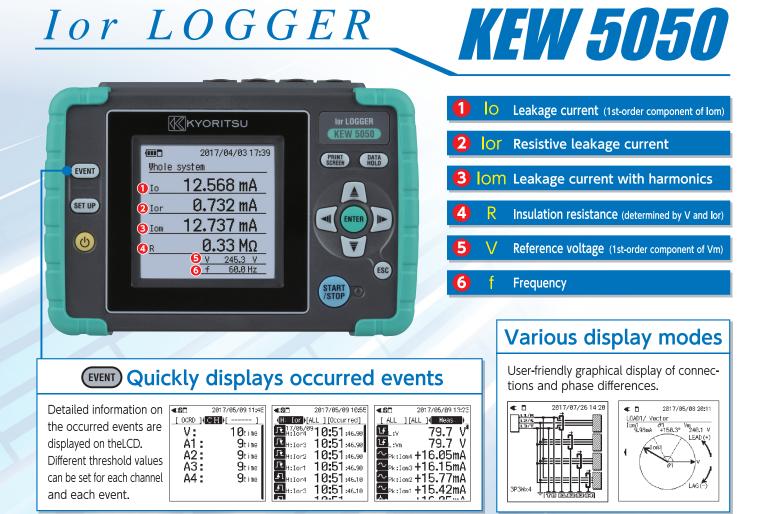


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KEW Windows

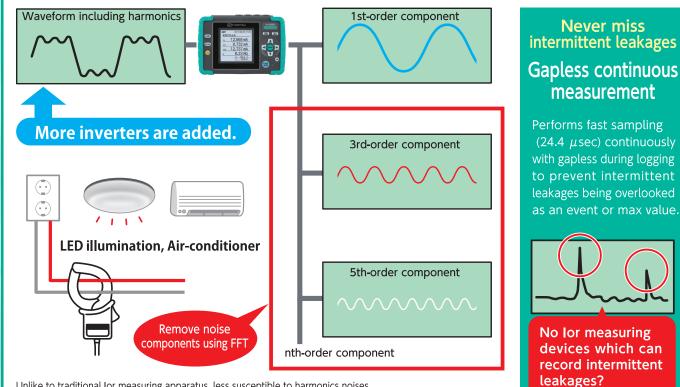
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KYORITSU



New measurement method with FFT

Offering accurate lor measurement without being affected by noises or harmonics



Unlike to traditional Ior measuring apparatus, less susceptible to harmonics noises. Successfully achieving logging with no effects of harmonics by Trms calculation every 200 ms using FFT (Fast Fourier Transform).

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