

LOGGERS

KEW 5010 (for Current)
KEW 5020 (for Current/Voltage)





3 channel inputs for the simultaneous recording of Leakage Current, Load Current and Voltage

Power Quality analysis. (only on KEW 5020)

(Power Quality: Reference voltage, Swell, Dip, Short power Interruptions)

Large capacity for storing 60,000 data points

60,000 data points can be recorded when 1ch is used, and when all the three channels are used, 20,000 data points per channel can be recorded.

Lowpass Filter will filter out the harmonics.

(Cutoff Frequency = Approx. 160Hz)

LED flickers when the preset current / voltage value is exceeded.

(Available for Trigger / Capture Recording, Power Quality Analysis modes)

CALL : Confirmation of recorded data

- The following can be displayed: number of recorded data points, (max+ min+ peak) value for each channel complete with time/date information in the Normal recording mode. (Detected values (i.e. when values are outside preset limits) can be displayed in other recording modes)
- RECALL: The last 10 recorded data points including time/date can be recalled on the logger display.

Selection of One-time mode or Endless mode

One-time on : →

Recording will stop when memory is used up.

One-time off : ↻

Overwrite the old data, and store the latest data.

Non Volatile Memory

Recorded data will be retained even if the batteries are exhausted or replaced due to the presence of a nonvolatile memory (guaranteed for 10 years)

Battery power indicator

Indicates battery voltage in 4-levels.

(It is possible to use the logger for a further approx 24 hours even after the warning symbol is flashing.)

The user friendly PC software " KEW LOG Soft "is supplied.

- Supplied with the user friendly software " KEW LOG Soft 2".
- This permits editing, analysis and graphical display of data.
- The recorded data is downloadable onto a PC via USB cable.
- Variation of the measured voltage and current data can be confirmed simultaneously on the PC display monitor. (only on KEW 5020)
- Simplified Power Integration
(The "KEW LOG Soft 2" uses current and voltage recorded to calculate the integral power consumption)
- Continuous measuring time : Approx. 10 days (Alkaline Battery)

	5010	5020
Recording mode	Normal, Trigger, Capture	Normal, Trigger, Capture, Power quality analysis
Operating system	Successive approximation(CH1 single synchronized sampling)	
Rated max. working voltage	AC9.9Vrms, 14V peak value	
Number of input channel	3ch	
Measuring method	True RMS	
RMS measuring interval	approx. 100ms.	
Sampling interval	approx. 1.65ms/CH	
: Normal / Trigger mode	approx. 0.55ms (waveform: at every 1.1ms)	
: Capture mode	—	
: P.Q.A mode	approx. 0.55ms	
Low battery warning	Battery mark display (in 4 levels)	
Over-range indication	"OL" mark is displayed when exceeding the measuring range	
Auto power off	Power-off function operates automatically after a switch remains for 3min. (when recording is stopped)	
Location for use	Indoor use, Altitude up to 2000m	
Operating temperature & humidity range	-10°C - 50°C / Relative humidity 85% or less (no condensation)	
Battery	LR6(AA)(1.5V) × 4 / External supply DC9V(Special AC Adaptor)	
Possible measurement time	Approx.10days (with alkaline LR6 batteries)	
Applicable Standards	IEC 61010-1 CAT III 300V Pollution degree2 IEC 61326 (EMC)	
Dimensions	111(L) × 60(W) × 42(D)mm	
Weight	Approx. 265g	
Accessories	LR6(AA) × 4 9118(Carrying case[Soft]) KEW LOG Soft 2(PC software) 7148(USB cable) Instruction manual Quick manual Install manual USB Notice sheet	
Optional	8146/8147/8148(Leakage & Load current clamp sensor) 8121/8122/8123/8124/8125/8126/8127/8128(Load current clamp sensor) 8130(Flexible clamp sensor) 8309(Voltage sensor : only KEW5020) 8320(AC adaptor) 9135(Carrying case) 7185(Extension cable)	

Normal Recording Mode

(AC 50/60Hz, Sine wave, Input: 10% or more of the range at CH1)

Range	RMS Accuracy
100.0mA	±2.0%rdg±0.9%f.s. + Accuracy of sensor
Other ranges	±1.5%rdg±0.7%f.s. + Accuracy of sensor
Crest factor	2.5 or less :RMS accuracy(sine)+ 2%rdg+1%f.s.

*Max, Min and Instant Peak values in Normal Recording mode are just reference values; their accuracies aren't guaranteed.

Trigger Recording Mode

(AC 50/60Hz sine wave)

Range	Accuracy
100.0mA	±3.5%rdg±2.2%f.s. + Accuracy of sensor
Other ranges	±3.0%rdg±2.0%f.s. + Accuracy of sensor

Capture/ Power Quality Analysis Recording Mode

Range	Accuracy
100.0mA	±3.0%rdg±1.7%f.s. + Accuracy of sensor
Other ranges	±2.5%rdg±1.5%f.s. + Accuracy of sensor

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