

Unprecedented Ior Logger!



- Provides simultaneous measurements and logs up to 4 channels
- Supports various wiring systems (Single-phase 2&3-wire, Three-phase 3&4-wire)
- World's fastest 200ms interval for leakage current measurement
- Offers both traditional leakage / load current measurements
- Large graphic display and magnet on the back case to attach it on metal enclosures



Wiring configuration	1P2W, 1P3W, 3P3W, 3P4W
Measurements and parameters	Ior : Leakage current (Trms) with resistive components only Io : Leakage current (Trms) with basic wave of 40 - 70Hz Iom : Leakage current (Trms) including harmonic components V : Reference voltage (Trms) with basic wave of 40 - 70Hz Vm : Reference voltage (Trms) including harmonic components R : Insulation resistance, Frequency(Hz), Phase angle(θ)
Other functions	Digital output, Print screen, Back light, Data hold
Recording Interval	200/400ms/1/5/15/30s/1/5/15/30m/1/2hours
Ior	
Range	10.000/100.00/1000.0mA/10.000A/AUTO
Accuracy	For reference voltages of sine wave 40 - 70Hz and 90V Trms or higher, $\pm 0.2\% \text{rdg} \pm 0.2\% \text{f.s.} + \text{clamp sensor amplitude accuracy} + \text{error of phase accuracy}^*$ (phase error) * add $\pm 2.0\% \text{rdg}$ to measured Io value when using Ior leakage clamp sensor. (θ: within the accuracy of reference voltage/ current phase difference $\pm 1.0^\circ$)
Allowable input	1% - 110% (Trms) of each range, and 200% (peak) of the range
Display range	0.15% - 130% (display "0" for less than 0.15%, "OL" if the range is exceeded)
Io *Range, Allowable input and Display Range are the same as Ior .	
Accuracy	$\pm 0.2\% \text{rdg} \pm 0.2\% \text{f.s.} + \text{clamp sensor amplitude accuracy}$
Iom *Range, Allowable input and Display Range are the same as Ior .	
Accuracy	$\pm 0.2\% \text{rdg} \pm 0.2\% \text{f.s.} + \text{clamp sensor amplitude accuracy}$
Measurement method	Sampling speed 40.96ksps (every 24.4μs), gapless, calculate Trms values every 200ms.









Voltage	
Range	1000.0V
Accuracy	$\pm 0.2\% \text{rdg} \pm 0.2\% \text{f.s.}$ * for waveforms of sine wave 40 - 70Hz
Allowable input	10 - 1000V Trms, and 2000V peak
Display range	0.9V - 1100.0V Trms (display "0" for less than 0.9V, "OL" if the range is exceeded)
Phase angle(θ)	
Display range	0.0° - $\pm 180.0^\circ$ (regarding the phase of reference voltage as 0.0°)
Accuracy	Within $\pm 0.5^\circ$ for the inputs of 10% or higher of leakage current range, sine wave 40 - 70Hz, reference voltage of 90V Trms or higher.
Frequency meter range	40 - 70Hz
External supply	AC100 - 240V(50/60Hz) 7VA max
Power source	LR6(AA)(1.5V) \times 6 (Battery life approx. 11h)
Display / update period	160 \times 160dots, FSTN monochrome display / 500ms
PC card interface	SD card (2GB) *standard accessory
PC communication interface	USB Ver2.0
Temperature and humidity range	23 \pm 5°C, less than 85%RH(without condensation)
Operating temperature and humidity range	-10 - 50°C less than 85%RH(without condensation)
Storage temperature and humidity range	-20 - 60°C less than 85%RH(without condensation)
Applicable Standards	IEC61010-1 CATIV 300V , CATIII 600V Pollution degree 2 IEC61010-2-030 , IEC61010-031 , IEC61326
Dimension/Weight	165(L) \times 115(W) \times 57(D)mm/approx. 680g (including batteries)
Included accessories	7273(Voltage test lead) 8262(AC adapter) 7278(Earth cable) 7219(USB cable) 8326-02(SD card 2GB) 9125(Carrying case) Instruction manual, Cable marker, Software installation manual LR6(AA) \times 6 KEW Windows for KEW 5050(software)
Optional accessories	8177(Ior Leakage clamp sensor 10A type \varnothing 40mm) 8178(Ior Leakage clamp sensor 10A type \varnothing 68mm) 8329(Power supply adapter)

Shows insulation resistance (R) values determined by the following formula.

V: Reference voltage/ Ior: Leakage current

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

Accessories/Optional Accessories /Related Products

				
• MODEL 7219	• MODEL 7273	• MODEL 7278	• KEW 8177	• KEW 8178
				
• MODEL 8262	• MODEL 8329	• MODEL 9125		