

POWER QUALITY ANALYZER

KEW 6315



RMS USB Bluetooth External Power Supply



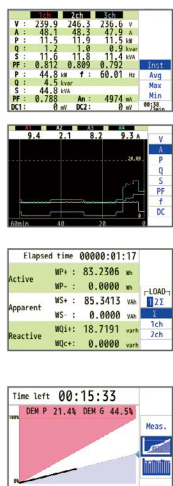
- Simultaneous Power & Power quality measurements
Power/Harmonics/Waveform/Power quality are recorded at all CHs. (Voltage:3ch,Current 4ch)
- Helpful support functions
Quick Start Guide,Wiring check and Sensor detection for easy and reliable measurement
- Measurement with high accuracy
Guaranteed accuracy: $\pm 0.3\% \text{rdg}(\text{energy})$,
 $\pm 0.2\% \text{rdg}(\text{voltage/current})$
Complies with the International Standard
IEC 61000-4-30 Class S and the European Standard EN50160
- Energy consumption check on site
Trend and demand graphs for easy recognition. TFT color display with high resolution.
- IEC 61010-1 CAT IV 300V,CAT III 600V,CAT II 1000V

		6315
Wiring connections		1P2W, 1P3W, 3P3W, 3P4W
Measurements and parameters		Voltage, Current, Frequency, Active power, Reactive power, Apparent power, Active energy, Reactive energy, Apparent energy, Power factor (cosφ), Neutral current, Transients/ Over Demand, Harmonics, Quality(Swell/Dip/Interruption, voltage, Inrush current, Unbalance rate), Phase advance condenser, IEC Flicker
Other functions		Digital output function, External communication function,Scaling function
Voltage [RMS]	Range	600.0/1000V
	Accuracy	600.0V Range : (sine wave 40 - 70Hz) 10% - 150% against 100V or more of nominal V : Nominal V $\pm 0.5\%$ Out of above range : $\pm 0.2\% \text{rdg} \pm 0.2\% \text{f.s.}$ 1000V Range : $\pm 0.2\% \text{rdg} \pm 0.2\% \text{f.s.}$ (sine wave 40 - 70Hz)
	Allowable input	1 - 120% of each range (rms), 200% of each range (peak)
	Display range	0.15 - 130% of each range
	Crest factor	3 or less
Current [RMS]	Range	8128(50A type): 5000mA/50.00A/AUTO 8127(100A type): 10.00/100.0A/AUTO 8126(200A type): 20.00/200.0A/AUTO 8125(500A type): 50.00/500.0A/AUTO 8124/8130(1000A type): 100.0/1000A/AUTO 8146/8147/8148(10A type): 1000mA/10.00A/AUTO 8133(3000A type): 300.0/3000A/AUTO
	Accuracy	$\pm 0.2\% \text{rdg} \pm 0.2\% \text{f.s.}$ + accuracy of clamp sensor (sine wave, 40 - 70Hz)
	Allowable input	1 - 110% of each range (rms), 200% of each range (peak)
	Display range	0.15 - 130% of each range
	Crest factor	3 or less
Active power	Accuracy	$\pm 0.3\% \text{rdg} \pm 0.2\% \text{f.s.}$ + accuracy of clamp sensor (power factor 1, sine wave, 40 - 70Hz)
	Influence of power factor	$\pm 1.0\% \text{rdg}$ (reading at power factor 0.5 against power factor 1)
Frequency meter range		40 - 70Hz
Power source (AC Line)		AC100 - 240V/50 - 60Hz/7VA max
Power source (DC battery)		LR6 or Ni-MH(HR15-51) $\times 6$ Battery life approx. 3h (LR6,Backlight OFF)
Memory card		SD card (2GB)
PC communication interface		USB Ver2.0, Bluetooth® Ver2.1+EDR Class2*
Display		320 \times 240(RGB)Pixel, 3.5inch color TFT display
Temperature and humidity range		23 $\pm 5^\circ\text{C}$ less than 85% RH (without condensation)
Operating temperature and humidity range		0 - 45 $^\circ\text{C}$ less than 85% RH (without condensation)
Storage temperature and humidity range		-20 - 60 $^\circ\text{C}$ less than 85% RH (without condensation)
Applicable Standards		IEC 61010-1 CAT IV 300V, CAT III 600V, CAT II 1000V Pollution degree 2, IEC 61010-2-030, IEC 61010-031, IEC 61326, EN 50160 IEC 61000-4-30 Class S, IEC 61000-4-15, IEC 61000-4-7
Dimension/Weight		175(L) \times 120(W) \times 68(D) mm/approx 900g
Accessories		7141B(Voltage test lead), 7170(Power cord), 7219(USB cable), 8326-02(SD card 2GB), 9125(Carrying case), Input terminal plate $\times 6$, KEW Windows for KEW6315(software), Quick manual, LR6(AA) $\times 6$

*Some countries regulate the compliance with their Radio Law of the products equipped with Bluetooth®. Please confirm it with your distributor before purchasing our products equipped with Bluetooth®.

Simultaneous Power & Power quality measurements

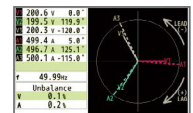
W/Wh Power & Energy



- Instantaneous value**
- Measures instantaneous / average / min / max for voltage, current, active / reactive / apparent power, PF (cosφ) and line frequency all on one screen.
 - Trend of all main parameters and customized Zoom functions.
- Integration value**
- The display will list the active / reactive / apparent energy in total and for each phase consumed (or generated in case of co-generation like solar panels, etc).
- Demand**
- To support demand control, present energy usage and estimated value are displayed on a graph while recording max demand value and the occurred time.

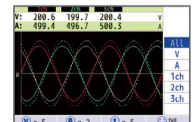
Vector

- Can display voltage and current by vector per Ch.



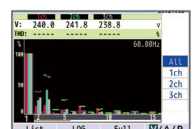
Waveform

- Displays voltage and current on each Ch by waveform.



Harmonics Analysis

- Graphic display of harmonic components up to 50th order for voltage, current and power.



QUALITY Event

- Measures voltage swells / dips / interruptions / transients and inrush currents that may indicate a weak power distribution system. Such phenomena may damage or reset devices. All necessary data is displayed by pressing one key.

