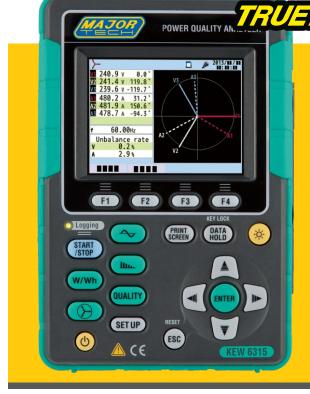
## Power Quality Analyser

The perfect tool for energy saving and power quality control!







### K6315

- 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: ±0.3%rdg (energy), ±0.2%rdg (voltage/ current)
   Complies with the International Standard IEC 61000-4-30 Class S and the European Standard EN50160
- Remote monitoring on PC and Android device
   Remote checking of measurement in real-time is possible via Bluetooth
   communication.
   Recorded data can be saved in the supplied SD card.
- EN50160 report can be generated after survey by PC software. Various Clamp Current Sensors
- Various types of clamp and flexible sensors are available: from 1000mA Range up to 3000A Range and Earth leakage measurements
  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

#### Specifications

-		
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 (cos) Neutral current, Demand, Harmonics, Quality (Swell/Dip/Interruption, Transients/Over voltage, Inrush current, Unbalance rate), Capacitance calculation for PF correction unit, Flicker	
Voltage (RMS)		
Range	600.0/1000V	
Accuracy	± 0.2% rdg ± 0.2%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	
Sampling speed of Voltage transient	2.4µ s	
Current (RMS)		
Range	8128         (50A type)         : 5/50A/AUTO           8127         (100A type)         : 10/100A/AUTO           8126         (200A type)         : 20/200A/AUTO           8125         (500A type)         : 50/500A/AUTO           8124         (1000A type)         : 10/1000A/AUTO           81248130         (1000A type)         : 100/1000A/AUTO           8146/8147/8148         (10A type)         : 1/10A/AUTO           8129         (3000A type)         : 30/01000/3000A	
Accuracy	± 0.2% rdg ± 0.2% 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	± 0.3% rdg ± 0.2%f.s. + accuracy of clamp sensor (power factor 1, sine wave, 40~ 70Hz )	
Influence of power factor	± 1.0% rdg (reading at power factor 0.5 against power factor 1)	

Free Android software "KEW smart 6315" is available

on "Google Play Store" (\*)

Supporting Android ver. 2.2 - 4.4 WVGA (800 × 480) resolution or higher

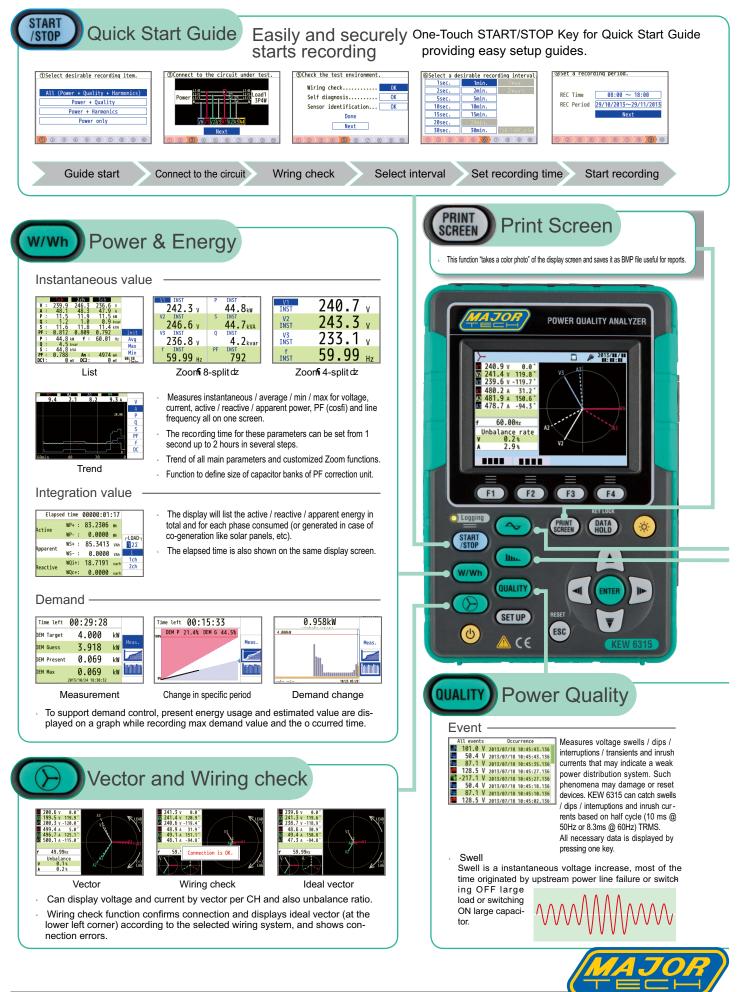
Frequency meter range	40 ~ 70Hz
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Power supply(AC Line)	AC100~ 240V/50~ 60Hz/7VA max
Power supply(DC battery)	Alkaline size AA battery LR6 or Ni-MH(HR15-54)6 Battery life approx. 3 h (LR6, Backlight OFF)
Internal memory	FLASH memory (4MB)
PC card interface	SD card (2GB)
PC communicationinterface	USB Ver2.0, Bluetooth Ver2.1+EDR Class2
Display	320× 240(RGB)Pixel, 3.5inch color TFT display
Display update period	1 sec
Temperature and humidity range	23 ± 5°C, less than 85% RH ( without condensation)
Operating temperature and humidity range	$0\sim45^\circ\!C$ , leaa 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, CATII 1000V
	Pollution degree 2
	IEC61010-2-030, IEC61010-031, IEC61326, EN50160
	IEC61000-4-30 Class S, IEC61000-445, IEC61000-4-7
Dimension/Weight	175(L) x 120(W) x 68(D)mm / approx 900g
Included accessories	7141B( Voltage test lead), 7170( Power cord ),
	7219(USB cable),8326-02(SD card 2GB),
	9125( Carrying case for KEW6315)
	9135( Carrying case for KEW6315-03), Input terminal plate 6,
	KEW Windows for KEW6315 software ), Calibration Certificate
Optional accessories	Quick manual, Alkaline size AA battery (LR6 x 6) 8124, 8125, 8126, 8127, 8128( Load current clamp sensor),
Optional accessories	8129, 8130 (Flexible clamp sensor),
	8146, 8147, 8148( Leakage and Load current clamp sensor),
	8312( Power supply adapter), 9132( Magnetic carrying case)



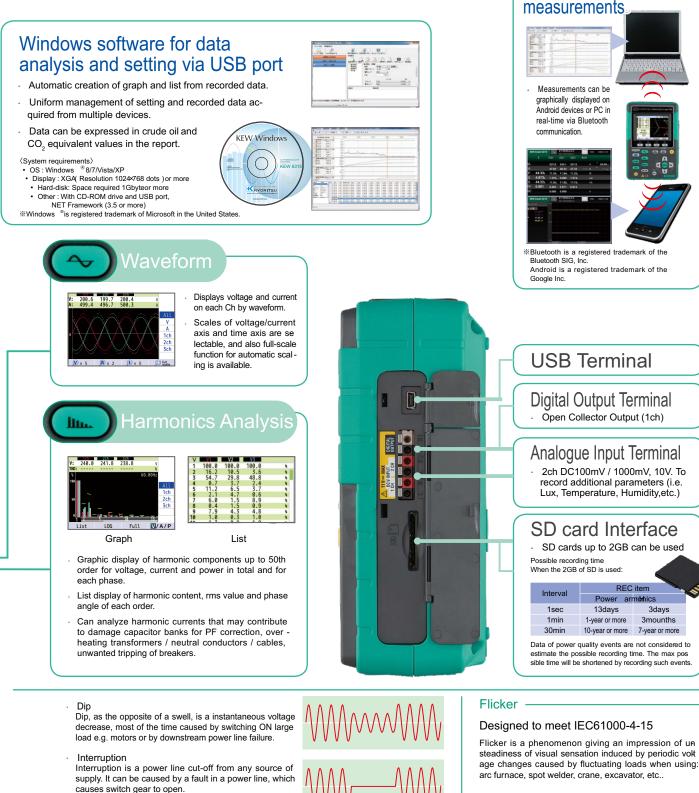


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# Easy-to-use settings to simultaneous power energy and power quality recordings



## Helpful support functions



Transients/Over Voltage (Impulse)

Transient is a very fast and momentary voltage increase that can seriously damage devices connected to a power line. It may be caused by electrical switching events such as instable contacts of relays, tripping of breakers but also by lightening. KEW 6315 can catch Transients from 2.4 µs.

Inrush Current

Inrush current is a surge current that happens when motors, large or low-impedance loads are switched ON. Then the current will stabilize as soon as the load has reached normal working conditions.

MMMM

Displays Pst (1min) on a trend graph.

Pst

Plt

0.282

Pst

Pst Calc.

0.804 0.804

Pst: 1min

230.0 230.4 230.5

0.804 1.028 1.017 0.804 1.026 1.022 0.804 1.035 1.034

List

Plt: 0.804 1.027 1.025 MAX 0.804 1.028 1.028

Real time and Remote



Trend graph

## Various Clamp Current Sensors

### Optional





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.

