KEW **6315**

TRUE RMS | USB | Bluetooth | External PowerSupply

CE   CE   KEW 6315

- 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
- 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 (cosθ), 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±0.5% Out of above range : ±0.2%rdg±0.2%f.s. 1000V Range : ±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	24μs
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	±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)
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) × 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 × 240(RGB)Pixel, 3.5inch color TFT display
Temperature and humidity range		23±5°C less than 85% RH (without condensation)
Operating temperature and humidity range		0 - 45°C less than 85% RH (without condensation)
Storage temperature and humidity range		-20 - 60°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,EN50160 IEC 61000-4-30 Class S, IEC 61000-4-15, IEC 61000-4-7
Dimension/Weight		175(L) × 120(W) × 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 × 6, KEW Windows for KEW6315(software), Quick manual, LR6(AA) × 6

Simultaneous Power & Power quality measurements

W/Wh Power & Energy

Instantaneous value
- Measures instantaneous / average / min / max for voltage, current, active / reactive / apparent power, PF (cosfi) 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.
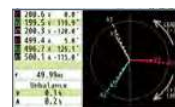
⌁ Waveform
- Displays voltage and current on each Ch by waveform.

⊪⊪ Harmonics Analysis
- Graphic display of harmonic components up to 50th order for voltage, current and power.
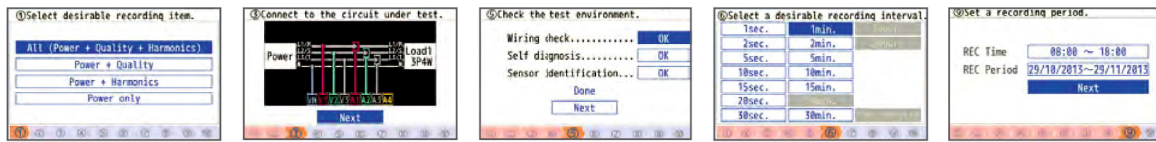
QUALITY Event
- Measures voltage swells / dips / interruptions / transients and inrush currents that may indicate a weak power distribution system. Such phenomena may damage or reset devices. All necessary data is displayed by pressing one key.

KYORITSU

Quick Start Guide

One-Touch START/STOP Key for Quick Start Guide providing easy setup guides.

| Guide start | Connect to the circuit | Wring check | Select interval | Set recording time | Start recording |

Windows software for data analysis and setting via USB port

- Automatic creation of graph and list from recorded data.
- Uniform management of setting and recorded data acquired from multiple devices.
- Data can be expressed in crude oil and CO_2 equivalent values in the report.
- EN50160 report can be generated after survey.

KEW Windows
KEW 6315
KYORITSU
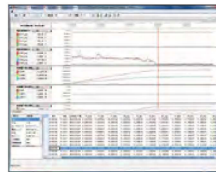
〈System requirements〉
- OS: Windows® 8/10
- Display: XGA(Resolution 1024 × 768 dots) or more
- Hard-disk: Space required 1Gbyte or more
- Other: With CD-ROM drive and USB port, NET Framework (3.5 or more)
※Windows®is registered trademark of Microsoft in the United States.

Real time and Remote measurements

- Measurements can be graphically displayed on Android devices or PC in real-time via Bluetooth® communication.

※Bluetooth® is a registered trademark of the Bluetooth SIG, Inc. Android™ is a registered trademark of the Google Inc.

Optional Accessories

Load current clamp sensors

| MAX 50A / Ø24 | MAX 100A / Ø24 | MAX 200A / Ø40 | MAX 500A / Ø40 | MAX 1000A / Ø68 |
| MODEL 8128 | MODEL 8127 | MODEL 8126 | MODEL 8125 | MODEL 8124 |

Leakage &Load current clamp

| MAX 30A / Ø24 | MAX 70A / Ø40 | MAX 100A / Ø68 |
| KEW 8146 | KEW 8147 | KEW 8148 |

※8146/8147/8148 can measure up to 10A for use in KEW 6315

Load current flexible clamp sensors

| MAX 1000A / Ø110 | MAX 3000A / Ø170 |
| KEW 8130 | KEW 8133 |

MODEL 8312   MODEL 9132

Can you close your distribution board door during surveys?

The KEW6315 facilitates safe testing by being extremely compact and with two clever option extras: a magnetic case(9132) for attaching it to the sides of metal enclosures and a power supply adaptor(8312) which takes the power for the instrument from the supply being measured.

SD card Interface

SD cards up to 2GB can be used

Possible recording time
When the 2GB of SD is used:

Interval	REC item	
	Power	+Harmonics
1sec	13days	3days
1min	1-year or more	3months
30min	10-year or more	7-year or more

Data of power quality events are not considered to estimate the possible recording time. The max possible time will be shortened by recording such events.

Set Model

KEW 6315 (103914)
Carrying case: 9125

KEW 6315-03 (103915)
8130(1000A) × 3
Carrying case: 9125

KEW 6315-05 (103996)
8133(3000A) × 3
Carrying case: 9125

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