Simultaneous recording of Power & Power Quality measurements in one survey.

The perfect tool for Energy Saving and Power Quality control.

- **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 IEC61000-4-30 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.

- **IEC61010-1 CAT IV 300V, CAT III 600V, CAT II 1000V**

KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD.
www.kew-ltd.co.jp
Easy-to-use setting to simultaneous power energy and power quality recordings

Quick Start Guide

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

W/Wh Power & Energy

Instantaneous value

Integration value

Demand

Vector and Wiring check

Print Screen

Power Quality

Event

Swell

Can display voltage and current by vector per CH and also unbalance ratio.

Wiring check function confirms connection and displays ideal vector (at the lower left corner) according to the selected wiring system, and shows connection errors.

To support demand control, present energy usage and estimated value are displayed on a graph while recording max demand value and the occurred time.

This function “takes a color photo” of the display screen and saves it as BMP file useful for reports.

Measures voltage swells / dips / interruptions / transients and inrush currents that may indicate a weak power distribution system. Such phenomena may damage or reset devices. KEW 6315 can catch swells / dips / interruptions and inrush currents based on half cycle (10 ms @ 50Hz or 8.3ms @ 60Hz) TRMS.

Print Screen

This function “takes a color photo” of the display screen and saves it as BMP file useful for reports.

Swell

Swell is a instantaneous voltage increase, most of the time originated by upstream power line failure or switching OFF large load or switching ON large capaci-
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 CO₂ equivalent values in the report.

(System requirements)
- OS: Windows® 7/8/10
- Display: XGA (Resolution 1024×768 dots) or more
- Hard-disk: Space required 1 Gbyte 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.

Dip
Dip, as the opposite of a swell, is an instantaneous voltage decrease, most of the time caused by switching ON large load e.g. motors or by downstream power line failure.

Interruption
Interruption is a power line cut-off from any source of supply. It can be caused by a fault in a power line, which causes switch gear to open.

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 unstable 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.

Flicker
Flicker is a phenomenon giving an impression of unsteadiness of visual sensation induced by periodic voltage changes caused by fluctuating loads when using: arc furnace, spot welder, crane, excavator, etc..

Designed to meet IEC61000-4-15

Possible recording time
When the 2 GB of SD is used:
- Flicker
  - Interval REC item
  - Power
  - Harmonics
  - 1 sec: 13 days
  - 1 min: 1-year or more
  - 30 min: 10-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.
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 carrying 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.

### Optional

**Load current clamp sensors**

- **MODEL 8128**
- **MODEL 8127**
- **MODEL 8126**
- **MODEL 8125**
- **MODEL 8124**

**LEAKAGE & LOAD CURRENT CLAMP**

- **KEW 8146**
- **KEW 8147**
- **KEW 8148**

**Power supply adaptor**

**MODEL 8312**

**Magnetic carrying case**

**MODEL 9132**

**Set Model**

- **KEW 6315-01**
  - MODEL 8125 (500A) x 3
  - (Carrying case 9125)
- **KEW 6315-03**
  - MODEL 8130 (1000A) x 3
  - (Carrying case 9135)
- **KEW 6315-05**
  - MODEL 8133 (3000A) x 3
  - (Carrying case 9135)

**KEW 6315-01**

- **KEW 6315-03**
- **KEW 6315-05**

**Optional accessories**

- **8124**, **8125**, **8126**, **8127**, **8128**

**KEW Windows for KEW6315**

For inquiries or orders:

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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.