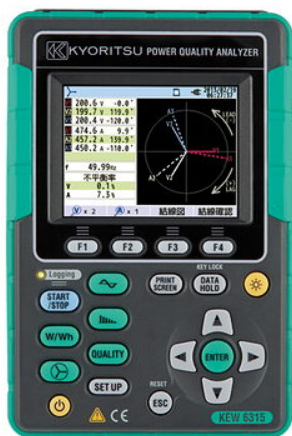




KYORITSU · POWER ANALYSERS & LOGGERS · DATASHEET

Kyoritsu KEW 6315 Power Quality Analyser

Model KEW 6315 · Power Quality Analyser



Power and power quality analyser measuring power, energy, harmonics, dips, swells, transients and flicker, IEC 61000-4-30 Class S, CAT IV 300 V.

Key features

- Simultaneous power and power quality measurement
- Harmonics, swell / dip / interruption, transients, inrush, unbalance and flicker
- Capacitance calculation for power factor correction
- 3.5-inch colour TFT display
- Remote monitoring on PC and Android devices via USB / Bluetooth® 5.0
- IEC 61000-4-30 Class S, EN 50160, IEC 61000-4-15, IEC 61000-4-7
- IEC 61010-1 CAT IV 300 V / CAT III 600 V / CAT II 1000 V

Price and availability

Ask Industrial Supply Syndicate for the current price, stock and a quotation with GST and freight. Call +91 8961089611 or WhatsApp +91 89610 89611.

Specifications

Wiring & Parameters**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 ($\cos \theta$), neutral current, demand, harmonics, quality (swell / dip / interruption, transients / over voltage, inrush current, unbalance rate), capacitance calculation for PF correction unit, flicker

AC Voltage**Range (RMS)**

600.0 / 1000 V

Accuracy

600.0 V range (sine wave 40 to 70 Hz): 10% to 150% of nominal voltage 100 V or more: nominal V $\pm 0.5\%$; outside this: $\pm 0.2\%$ rdg $\pm 0.2\%$ f.s.; 1000 V range: $\pm 0.2\%$ rdg $\pm 0.2\%$ f.s. (sine wave 40 to 70 Hz)

Allowable input

1 to 120% of each range (RMS), 200% of each range (peak)

Display range

0.15 to 130% of each range

Crest factor

3 or less

Voltage transient sampling speed24 μ s**AC Current****Range (RMS)**

8128 / 8135 (50 A type): 5000 mA / 50.00 A / AUTO; 8127 (100 A type): 10.00 / 100.0 A / AUTO; 8126 (200 A type): 20.00 / 200.0 A / AUTO; 8125 (500 A type): 50.00 / 500.0 A / AUTO; 8124 / 8130 (1000 A type): 100.0 / 1000 A / AUTO; 8146 / 8147 / 8148 (10 A type): 1000 mA / 10.00 A / AUTO; 8133 (3000 A type): 300.0 / 3000 A / AUTO



AC Current (continued)	
Accuracy	±0.2% rdg ±0.2% f.s. + clamp sensor accuracy (sine wave, 40 to 70 Hz)
Allowable input	1 to 110% of each range (RMS), 200% of each range (peak)
Display range	0.15 to 130% of each range
Crest factor	3 or less
Active Power	
Accuracy	±0.3% rdg ±0.2% f.s. + clamp sensor accuracy (power factor 1, sine wave, 40 to 70 Hz)
Influence of power factor	±1.0% rdg (reading at power factor 0.5 against power factor 1)
Frequency	
Range	40 to 70 Hz
Safety	
Measurement category	IEC 61010-1 CAT IV 300 V / CAT III 600 V / CAT II 1000 V, pollution degree 2
Standards	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
General	
Display	3.5-inch colour TFT, 320 × 240 (RGB) pixels
Display update period	1 second
Internal memory	Flash memory (4 MB)
Memory card	SD card (2 GB)
Communication interface	USB, Bluetooth® 5.0
Accuracy temperature and humidity	23 ±5 °C, less than 85% RH (no condensation)
Operating temperature and humidity	0 to +45 °C, less than 85% RH (no condensation)
Storage temperature and humidity	-20 to +60 °C, less than 85% RH (no condensation)
Power source	AC 100 to 240 V / 50 to 60 Hz / 7 VA max, or alkaline AA LR6 / Ni-MH (HR-15-51) × 6; battery life approx. 3 h (LR6, backlight off)
Dimensions	175 (L) × 120 (W) × 68 (D) mm
Weight	Approx. 900 g

What's in the box

- Voltage test lead set (7141B)
- Power cord (EU) (or 7240 power cord, UK) (7170)
- USB cable (7219)
- SD card (2 GB) (8326-02)
- Carrying case (9125)
- Input terminal plate × 6
- AA battery (LR6) × 6
- Quick manual

Typical applications

- **Power Distribution** – Records harmonics, dips, swells, transients, unbalance and flicker to IEC 61000-4-30 Class S.
- **Industrial Troubleshooting** – Captures inrush current and voltage events behind nuisance trips and equipment faults.



- **Electrical Maintenance** – Energy and demand surveys; calculates capacitance for PF correction.

Official Kyoritsu documents

[KEW 6315 product catalogue \(English\)](#) PDF · www.kew-ltd.co.jp

[KEW 6315 instruction manual \(English\)](#) PDF · www.kew-ltd.co.jp

Order or ask for a quotation

Industrial Supply Syndicate supplies the Kyoritsu KEW 6315 across India with a GST invoice. Tell us the quantity and delivery location; we reply with a quotation or proforma invoice including freight.

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