



KYORITSU · POWER ANALYSERS & LOGGERS · DATASHEET

Kyoritsu KEW 6305 Power Meter

Model KEW 6305 · Power Meter



Single and 3-phase power meter for voltage, current, power, energy and power factor, logging to SD card at 1 s to 1 h intervals.

Key features

- Voltage, current, power, energy, power factor and frequency measurement
- Active power accuracy $\pm 0.3\%$ rdg $\pm 0.2\%$ f.s. (plus sensor)
- Automatic wiring check and sensor type recognition
- Records to SD card at intervals from 1 second to 1 hour
- USB and Bluetooth® 5.0 for PC software and remote monitoring
- Clamp sensors from 50 A to 3000 A (flexible sensors available)
- Runs from AC line or six AA batteries

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, 3P3W3A, 3P4W

Measurements Voltage, current, frequency, active power

Calculated parameters Apparent power, reactive power, active energy, apparent energy, reactive energy, power factor ($\cos \theta$), neutral current

AC Voltage

Range (RMS) 150.0 / 300.0 / 600.0 V

Accuracy $\pm 0.2\%$ rdg $\pm 0.2\%$ f.s. (sine wave, 45 to 65 Hz)

Display range 5 to 130% of each range

Crest factor 2.5 or less

AC Current

Range (RMS) 8128 / 8135 (50 A type): 1.000 / 5.000 / 10.00 / 25.00 / 50.00 A / AUTO; 8127 (100 A type): 2.000 / 10.00 / 20.00 / 50.00 / 100.0 A / AUTO; 8126 (200 A type): 4.000 / 20.00 / 40.00 / 100.0 / 200.0 A / AUTO; 8125 (500 A type): 10.00 / 50.00 / 100.0 / 250.0 / 500.0 A / AUTO; 8124 / 8130 (1000 A type): 20.00 / 100.0 / 200.0 / 500.0 / 1000 A / AUTO; 8133 (3000 A type): 60.00 / 300.0 / 600.0 / 1500 / 3000 A / AUTO

Accuracy $\pm 0.2\%$ rdg $\pm 0.2\%$ f.s. + clamp sensor accuracy (sine wave, 45 to 65 Hz); $\pm 1\%$ f.s. at the lowest range

Display range 1 to 130% of each range

Crest factor 3.0 or less (max. 1.4 V peak)



Active Power

Accuracy $\pm 0.3\%$ rdg $\pm 0.2\%$ f.s. + clamp sensor accuracy; +1% f.s. when the lowest current range is selected

Effect of power factor $\pm 1.0\%$ rdg at $\cos \theta = \pm 0.5$ (relative to PF = 1)

Accuracy conditions PF = 1, sine wave, 45 to 65 Hz, 23 °C ± 5 °C

Frequency

Range 40.0 to 70.0 Hz

Accuracy ± 3 dgt

Safety

Measurement category IEC 61010-1 CAT III 600 V

General

Display update period 1 second

Communication interface USB, Bluetooth® 5.0

Memory card SD card (2 GB)

Operating temperature and humidity 0 to +50 °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 $\pm 10\%$ (45 to 65 Hz), or LR6 / Ni-MH (HR-15-51) $\times 6$ (charger not included); battery life approx. 15 h (LR6)

Power consumption 10 VA (max.)

Dimensions 175 (L) $\times$ 120 (W) $\times$ 65 (D) mm

Weight Approx. 800 g (including batteries)

What's in the box

- Voltage test lead set (7141B)
- USB cable (7148)
- Power cord (EU) (or 7240 power cord, UK) (7170)
- SD card (2 GB) (8326-02)
- Carrying case (9125)
- AA battery (LR6) $\times 6$
- Quick manual

Typical applications

- **Power Distribution** – Logs voltage, current, power, energy and PF on 1P2W to 3P4W systems at 1 s to 1 h intervals.
- **Electrical Maintenance** – Load and energy surveys with clamp sensors from 50 A to 3000 A.

Official Kyoritsu documents

[KEW 6305 product catalogue \(English\)](#) PDF · www.kew-ltd.co.jp

[KEW 6305 instruction manual \(English\)](#) PDF · www.kew-ltd.co.jp



Order or ask for a quotation

Industrial Supply Syndicate supplies the Kyoritsu KEW 6305 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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