



KYORITSU · POWER ANALYSERS & LOGGERS · DATASHEET

Kyoritsu KEW 5020 Current & Voltage Logger

Model KEW 5020 · Current & Voltage Logger



Three-channel True RMS logger for leakage current, load current and voltage, with a power quality mode for swells, dips and short interruptions.

Key features

- Three channels for leakage current, load current and voltage
- Power quality analysis mode: swell, dip and short interruption with start / end times
- Normal, trigger and capture recording modes
- True RMS measurement with low-pass filter for harmonics
- Stores 60,000 data points in non-volatile memory
- Approx. 10 days continuous logging on alkaline batteries
- KEW LOG Soft2 PC software via USB

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

Recording

Recording mode	Normal, trigger, capture, power quality analysis
Number of input channels	3
Measuring method	True RMS
Operating system	Successive approximation (CH1 single synchronised sampling)
RMS measuring interval	Approx. 100 ms
Sampling interval	Normal / trigger mode: approx. 1.65 ms/CH; capture mode: approx. 0.55 ms (waveform at every 1.1 ms)
Rated max. working voltage	AC 9.9 V rms, 14 V peak

Current Ranges

Range by sensor	8146 (30 A type): 100.0 / 1000 mA / 10.00 / 30.0 A; 8147 (70 A type): 100.0 / 1000 mA / 10.00 / 70.0 A; 8148 (100 A type): 100.0 / 1000 mA / 10.00 / 100.0 A; 8121 (100 A type): 10.00 / 100.0 A; 8122 (500 A type): 50.00 / 500.0 A; 8123 (1000 A type): 100.0 / 1000 A; 8128 / 8135 (5 A type): 5.000 A / (50.00 A); 8127 (100 A type): 10.00 / 100.0 A; 8126 (200 A type): 20.00 / 200.0 A; 8125 (500 A type): 50.00 / 500.0 A; 8124 (1000 A type): 100.0 / 1000 A; 8130 (1000 A type): 100.0 / 1000 A
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Accuracy

Normal recording mode (AC 50/60 Hz, sine wave, input 10% or more of range at CH1)	100.0 mA range: $\pm 2.0\%$ rdg $\pm 0.9\%$ f.s. + sensor accuracy; other ranges: $\pm 1.5\%$ rdg $\pm 0.7\%$ f.s. + sensor accuracy
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Accuracy (continued)	
Crest factor 2.5 or less	RMS accuracy (sine) + 2% rdg + 1% f.s.
Trigger recording mode (AC 50/60 Hz sine wave)	100.0 mA range: $\pm 3.5\%$ rdg $\pm 2.2\%$ f.s. + sensor accuracy; other ranges: $\pm 3.0\%$ rdg $\pm 2.0\%$ f.s. + sensor accuracy
Capture recording mode	100.0 mA range: $\pm 3.0\%$ rdg $\pm 1.7\%$ f.s. + sensor accuracy; other ranges: $\pm 2.5\%$ rdg $\pm 1.5\%$ f.s. + sensor accuracy
Safety	
Measurement category	IEC 61010-1:2001 CAT III 300 V, pollution degree 2
Standards	IEC 61326 (EMC)
General	
Low battery warning	Battery mark display (4 levels)
Over-range indication	"OL" displayed when the range is exceeded
Auto power off	After approx. 3 min without switch operation (not during recording)
Power source	LR6 (AA) alkaline batteries $\times 4$; possible measurement time approx. 10 days
Dimensions	111 (L) $\times$ 60 (W) $\times$ 42 (D) mm
Weight	Approx. 265 g

What's in the box

- USB cable (7148)
- Carrying case (9118)
- AA battery (LR6) $\times 4$
- Instruction manual
- Quick manual
- USB notice sheet

Typical applications

- **Industrial Troubleshooting** – Links current readings with voltage swells, dips and short interruptions to find fault causes.
- **Power Distribution** – Logs leakage current, load current and voltage on 3 channels for about 10 days.

Official Kyoritsu documents

[KEW 5020 product catalogue \(English\)](#) PDF · www.kew-ltd.co.jp

[KEW 5020 instruction manual \(English\)](#) PDF · www.kew-ltd.co.jp



Order or ask for a quotation

Industrial Supply Syndicate supplies the Kyoritsu KEW 5020 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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