

KEW 6305

KEW 6305 - Kyoritsu Power Meter

Rating: Not Rated Yet
2-3 Days
★★★★

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Manufacturer[KYORITSU](#)

Description

- Comprehensive real-time monitoring, recording and analysis of single and 3-phase systems
- Voltage, Current, Power Factor and Frequency measurements
- Power analysis (Active, Apparent and Reactive power)
- Energy analysis (Active, Apparent and Reactive power)
- Active power accuracy: $\pm 0.3\% \text{rdg} \pm 0.2\% \text{f.s.}$
- Automatic wiring check function to prevent incorrect connections
- Large memory capability (2GB) using built-in SD card interface
- Real time & remote measurements using Android application
- synchronous measurements between two units of KEW 6305
- Wide selection of clamp sensors allow measurements from 0.1A to 3000A
- The instrument automatically recognizes what kind of clamp sensor is connected to it
- Windows software for data analysis and setting via USB port or Bluetooth

Wiring connections	1P2W, 1P3W, 3P3W, 3P3W3A, 3P4W
Measurements	Voltage, Current, Frequency, Active power
Parameters	Apparent power, Reactive power, Active energy, Apparent energy, Reactive energy, Power factor (cos ?), Neutral current
Voltage range[RMS]	150.0 / 300.0 / 600.0V
Voltage accuracy	$\pm 0.2\% \text{rdg} \pm 0.2\% \text{f.s.}$ (sine wave, 45 - 65Hz)
Current range[RMS]	8128 (50A type) : 1.000 / 5.000 / 10.00 / 25.00 / 50.00A / auto 8127 (100A type) : 2.000 / 10.00 / 20.00 / 50.00 / 100.0A / auto 8126 (200A type) : 4.000 / 20.00 / 40.00 / 100.0 / 200.0A / auto 8125 (500A type) : 10.00 / 50.00 / 100.0 / 250.0 / 500.0A / auto 8124 (1000A type) : 50.00 / 100.0 / 200.0 / 500.0 / 1000A / auto 8130 (1000A type) : 50.00 / 100.0 / 200.0 / 500.0 / 1000A / auto 8133 (3000A type) : 60.00 / 300.0 / 600.0 / 1500 / 3000A / auto
Current accuracy	$\pm 0.2\% \text{rdg} \pm 0.2\% \text{f.s.}$ + Accuracy of Clamp sensor (sine wave, 45 - 65Hz) (*) $+1\% \text{f.s.}$ at the lowest range
Display range	5 - 130% of each range(Voltage)

Power Quality Analyzer: KEW 6305

	1 - 130% of each range(Current)
Crest factor	Voltage: up to 2.5, Current: up to 3.0 (with 90% fs or less)
Effect of power factor	Active power: $\pm 1.0\% \text{rdg} \cos \phi \pm 0.5$ (PF=1)
Frequency meter range	40.0 - 70.0Hz
Frequency meter accuracy	$\pm 3 \text{dgt}$
Accuracy precondition	PF=1, Sine wave, 45 - 65Hz, 23°C $\pm 5^\circ\text{C}$
Display update period	1 second
Applicable standards	IEC 61010-1 CAT III 600V
Operating temperature & humidity range	0 - +50°C, less than 85%RH (without condensation)
Storage temperature & humidity range	-20 - +60°C, less than 85%RH (without condensation)
Power supply (AC Line)	AC100 - 240V $\pm 10\%$ (50/60Hz)
Power supply (DC battery)	LR6 or Ni-MH (HR-15-51) $\times 6$ (Battery charger not included), Battery life approx. 15h (LR6)
Power consumption	10VA (max.)
Communication interface	USB, Bluetooth
PC card interface	SD card (2GB)
Dimensions	175(L) $\times$ 120(W) $\times$ 65(D) mm
Weight	Approx. 800g (including batteries)
Included Accessories	7141B (Voltage test lead set: 4pcs) 7148 (USB cable) 7170 (Power cord) 9125 ((Carrying case for KEW 6305, KEW 6305-01) 9135 ((Carrying case for KEW 6305-03, KEW 6305-05) 8326-02 (SD card 2GB) KEW WINDOWS (PC Software) Battery (LR6) $\times 6$ Quick manual
Optional Accessories	8124, 8125, 8126, 8127, 8128 (Clamp sensor) 8130/8133 (Flexible clamp sensor) 8312 (Power supply adaptor) 9132 (Magnetic carrying case)