

# NOVO U 2004 IZ KYORITSU JAPAN FABRIKE: KOMPAKTNI POWER METER SA KLJESTIMA

**Primenjeni svi zahtevi za Elektricnim merenjima i Alaliza  
za Stednjom Energije!**



Sva neophodnja merenja el.energije : V, A, W, VA, Var, Wh, VAh, Varh, Cos $\phi$ , In, Hz.

Funkcija memorisanja sa 'integracijom vremena' podesiva od 1 sekunde do 1 sata.

Interna stabilna Memorija za memorisanja non-stop do 10 dana.

Prosiriva sa izmenljivom Flash memorijom do 128 MB za non-stop snimanja do 5 godina!

Standardan dodatak interfejs softver za slanje podataka na PC preko USB porta.

Cetiri zice konfiguracija: 3 Faze 4 zice, 3 faze 3 zice, jedna faza 3 Wires i 2 zice.

Sirok Ekran sa pozadinskim osvetljenjem I Multi-Display system za simultana merenja.

Dvostruki system napajanja: sa AC Linije I preko Ni-CD baterija (sa oko. 7 sati rada sa baterijama).

Funkcija Zahteva za merenja stednje Energije.

Dizajniran za Sigurnosni Standard: IEC 61010-1 CAT III 600V.



# KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD.

## POWER METER MODEL KEW 8125 BASIC SPECIFICATION

Measurements and Parameters	Voltage, Current, Active Power, Apparent Power, Reactive Power, Active Energy, Apparent Energy, Reactive Energy, Power Factor (Cosφ), Neutral current, Frequency meter.
Wiring connections	1P 2W, 3P 4W, 3P 3W, 1P 3W
Voltage Ranges	150.0 300.0 600.0V AC TRMS
Voltage Accuracy	±0.5%rdg ±0.3%fs (45 66Hz)
Current Ranges	50.00 100.0 200.0 500.0 A AC TRMS (with Clamp Adapter 8125)
Current Accuracy	±0.5%rdg ±0.3% fs Clamp Adapter Accuracy (at 45 66 Hz)
Crest Factor	Voltage: up to 2.5 Current: up to 3.0 (with 80% fs or less)
Frequency meter Range	40 70Hz
Frequency meter Accuracy	±0.1%rdg ±1dgt
Active Power Accuracy	±1.0%rdg ±0.3% fs Clamp adapter Accuracy (at 45 66 Hz)
Accuracy precondition	PF=1, Sine wave 23 ±5
Effect of Power Factor	Active Power: ±1.0% rmg cos <sup>2</sup> ±0.5 (PF=1)
Effective Input Range	10 110% of Rating range of V and A
Display Range	5 120% of Rating range
Integration Time for Recoding function	1 / 2 / 5 / 10 / 20 / 30 Seconds 1 / 2 / 5 / 10 / 20 / 30 / 60 Minutes
Sampling time of internal A/D	16 KHz appr.
Display Update Period	1 second
Operating Temperature and Humidity ranges	0 +50 , less than 85% RH (without condensation)
Storage Temperature and Humidity ranges	-20 +60 , less than 85% RH (without condensation)
Over Load Protection	Voltage: 720V AC TRMS Current: 600A AC TRMS (with Clamp Adapter 8125)
PC Communication Interface	USB
PC Card Interface	Compact Flash Card (Standard type 32 / 64 / 128MB) not included
Safety Standard	IEC 61010-1 CAT. III 600V / CAT. IV 300V Pollution degree 2
Power Supply	AC Line: 100 240V±10% (50/60Hz) DC Battery 9V LR6×6 (battery life appr. 7h)
Power Consumption	10VA (MAX)
Dimension (W×H×D)	Appr. 120×175×65 mm
Weight	Appr. 800g (including batteries)
Accessories	Test Lead (4pcs), PC Software, USB Cable, Mains Cord, Instruction Manual, Carrying Bag, Batteries.
Optional accessories	Clamp Adapters Kew 8125 (3 pcs). Wide range of Clamp adapters up to 3000A on request.

## CLAMP ADAPTER MODEL KEW 8125 SPECIFICATION

Measurement Range	AC 0 500A
Output Voltage	AC 0 500mV
Accuracy	±0.5%rdg±0.1mV (45 65Hz)
Phase Shift	Less Than ±1°
Frequency responses	40 Hz 1000 Hz
Output Impedance	Appr. 2Ω
Conductor Size	Appr. 40 mm in diameter max.
Safety Standard	IEC 61010-2-032 CAT. 600V / CAT. IV 300V Pollution degree 2
Operating Temperature and Humidity ranges	0 +50 , less than 85%RH (without condensation)
Storage Temperature and Humidity ranges	-20 +60 , less than 85%RH (without condensation)
Dimension (L×W×D) and Weight	Appr. 128×81×36 mm, Appr. 260g
Cable length	Appr. 3 m
Output connector	MINI DIN 6 PIN



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