

POWER RECORDER

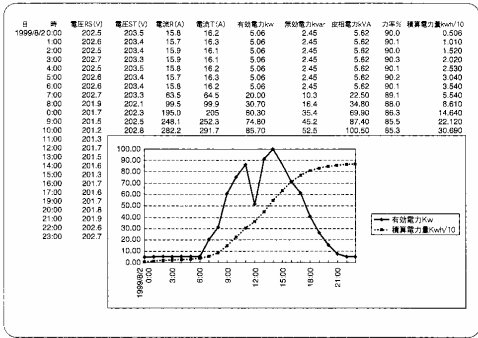
Model MPR-600S



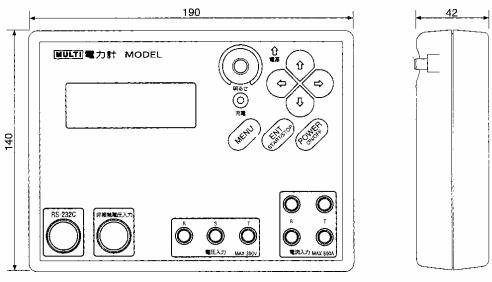
FEATURES

- Low cost and high performance power recorder.
- Can measure voltage, current, active power, apparent power, power factor, frequency, energy(kWh) and integrated time.
- Stored data is transferable to Windows PC for analysis. (Serial list data & load curve graph display)
- Safety non-contact type voltage input sensor is optionally available.

EXAMPLE DATA DISPLAY ON THE COMPUTER



DIMENSION OF MAIN INSTRUMENT



SPECIFICATIONS

Applicable power system	: Single-phase/two-wires, Single-phase/three-wires, Three-phase/ three-wires
Measurement items	: Voltage, Current, Active power, Apparent power, Power factor(P.F), Frequency, Energy (kWh)
Voltage input method	: Standard lead & clip or PS-60 non- contact type voltage input sensor(option)
Current input method	: CT-40 sensor, ϕ 40mm, max.600A, $\pm 1.0\%rdg \pm 0.3\%$ F.S or CT-80P sensor, ϕ 80mm max. 1000A(option)
Measurement range	: Voltage ; AC 0~500V Current ; AC 10/50/100/600A Active power ; V x A Power factor ; 0~100% Frequency ; 45~65Hz

Accuracy specified by $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$, Sine wave and Power factor =1

Measurement	Accuracy
Voltage	$\pm 0.5\%$ rdg $\pm 0.3\%$ of fullscale
Current	$\pm 0.5\%$ rdg $\pm 0.3\%$ F.S + CT sensor accuracy
Active power	$\pm 0.5\%$ rdg $\pm 0.5\%$ F.S + CT sensor accuracy
Power factor	$\pm 2\%$ rdg + CT sensor accuracy

Crest factor	: < 2 (Voltage, Current)
Measurement interval	: 1,5,10,15,30 or 60 minutes
Memory factor	: Measuring time, Measuring conditions, Averaged voltage, Averaged apparent power Averaged current , Averaged active power Averaged energy (kWh),Averaged power factor(P.F)
Memory capability	: Approx. 210 days with 30 min. interval
PC interface	: RS-232C cable (standard accessories including software)
Other functions	: Measurement start/end setting, Clock , Low battery warning , PT/CT ratio setting
Power supply	: NiMH battery or Charger(Input AC 100V ~240V)
Operating temperature	: $0^{\circ}\text{C} \sim 50^{\circ}\text{C}$, 80% RH or less(without condensation)
Storage temperature	: $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$, 80% RH or less(without condensation)
Size & weight	: Unit ; 190 (W) \times 140 (H) \times 42 (D)mm, approx. 800g CT-40 sensor; 70 (W) \times 180 (H) \times 30 (D)mm, approx.160g
Standard accessories	: Standard lead & clip (red, black, white).....1 set CT sensor(CT-40).....2 RS-232C cable.....1 Software.....1 Charger.....1 Instruction manual.....1 Hard carrying case.....1
Optional accessories	: PS-60 non-contact type voltage input sensor CT-80P current input sensor