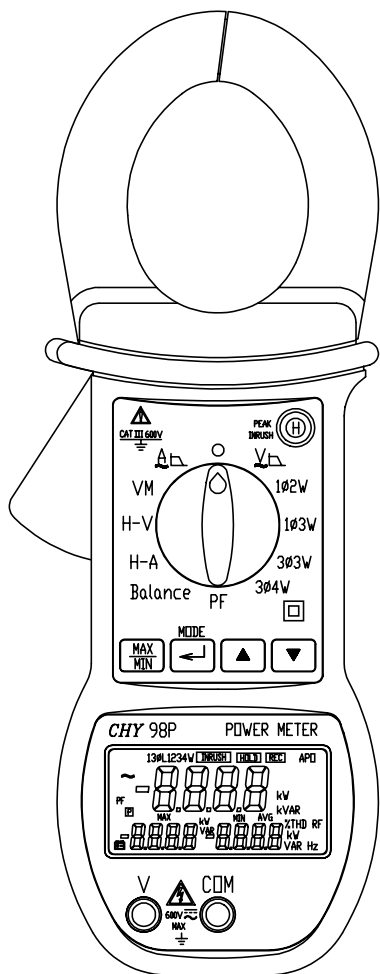


1000A AC TRMS CLAMP ON POWER METER With Harmonic MODEL: 98P



FEATURES:

Power measurement of Active power (KW), Reactive power (KVAR), Apparent power (KVA), Power Factor (PF)
 Harmonic measurement, up to 25th
 PF for 3 ϕ 4W, 3 ϕ 3W, 1 ϕ 2W, 1 ϕ 3W.
 Triple display: KW, V, A easy to read.
 Recorded each wire parameters of V, A, KW, KVA, KVAR, PF, Hz, total 24 parameters.
 AC current up to 1000A, AC voltage up to 600V.
 INRUSH (100mS), HOLD and PEAK functions.
 MAX, MIN and AVG recorded functions.
 Balanced load function.
 Dimensions of conductor: 46.5mm.
 Auto power off (10 mins).
 EN 61010-1 Approval Over-Voltage Category III 600V.

SPECIFICATIONS:

AC CURRENT (True RMS)

Range: 0.0 to 600.0A, 600A to 1000A
 Resolution: 0.1A/1A
 Accuracy: $\pm(1.5\% \text{ rdg} + 10\text{dgt})$ on 50Hz to 60Hz
 $\pm(6\% \text{ rdg} + 10\text{dgt})$ on 45Hz to 400Hz

AC VOLTAGE (True RMS)

Range: 0.0 to 600.0V
 Resolution: 0.1V
 Accuracy: $\pm(1\% \text{ rdg} + 5\text{dgt})$ on 20Hz to 100Hz
 $\pm(6\% \text{ rdg} + 5\text{dgt})$ on 100Hz to 400Hz
 Input impedance: 1M Ω

FREQUENCY

Range: 20.0 to 400.0Hz
 Resolution: 0.1Hz
 Accuracy: $\pm(0.5\% \text{ rdg} + 5\text{dgt})$
 Sensitivity: Voltage > 5 Vrms

Current > 5 Arms on 20Hz to 100Hz
 Current > 10 Arms on 100Hz to 400Hz

Harmonic measurement (Effective in the voltage and current)

Measurement items: Level of each order, percentage of each order and total harmonic distortion (THD-F and THD-R).
 Measurement range: Fundamental frequency 45Hz to 65Hz
 Window width: 1 cycle (45Hz to 65Hz)
 Date points: 128 points
 Window type: Rectangular
 Orders analyzed: Up to 25th

Order	Accuracy
1	$\pm(3.0\% \text{ rdg} + 10\text{dgt})$
2 to 6	$\pm(3.5\% \text{ rdg} + 10\text{dgt})$
7 to 8	$\pm(4.5\% \text{ rdg} + 10\text{dgt})$
9 to 10	$\pm(5.0\% \text{ rdg} + 10\text{dgt})$
11 to 15	$\pm(7.0\% \text{ rdg} + 10\text{dgt})$
16 to 20	$\pm(10\% \text{ rdg} + 10\text{dgt})$
21 to 25	no spec.

Harmonic percentage: $\pm 2\text{dgt}$. with respect to calculation from each measured value.

Total harmonic distortion ratio: $\pm 2\text{dgt}$. with respect to calculation from each measured value.

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Power Measurement Accuracy

To make sure measuring accuracy, clamp the jaw several times to align the contact surface in place to get the optimal measuring results before you take measurement.
 Single phase or three phase load with sine wave input at 50/60 Hz.
 Measurement range:
 Effective measurement current range: 4 to 1000A
 Effective measurement voltage range: 80 to 600V

Power Factor (PF)

Resolution: 0.001
 Accuracy:
 $\pm(3.0\% \text{ rdg} + 0.02)$ at $1.000 > \text{PF} \geq 0.500$
 $\pm(5.0\% \text{ rdg} + 0.02)$ at $0.500 > \text{PF} \geq 0.200$
 $\pm(10.0\% \text{ rdg} + 0.02)$ at $0.200 > \text{PF} \geq 0$

Active Power(kW)

Resolution: 0.01/0.1kW

Apparent Power(kVA)

Resolution: 0.01/0.1kVA

Reactive Power(kVAR)

Resolution: 0.01/0.1kVAR

Customer Approved By:	Prepared By:
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