

1000 A AC True RMS Power Clamp-On Meter

HHM98P



- ✓ Measurement of Active Power (kW), Reactive Power (kVAR), Apparent Power (kVA), Power Factor (PF)
- ✓ Harmonic Measurement: Up to 25 PF for 3 Ø 4 W, 3 Ø 3 W, 1 Ø 2 W, 1 Ø 3 W
- ✓ Easy-to-Read Triple Display: kW, V, A
- ✓ Measurements Recorded for Each Wire: V, A, kW, kVA, kVAR, PF, Hz, Total 24 Parameters
- ✓ AC Current Up to 1000 A, AC Voltage Up to 600 V
- ✓ Inrush (100 ms), Hold, and Peak Functions
- ✓ Max/Min/Avg Functions
- ✓ Balanced Load Function
- ✓ Dimensions of Conductor: 46.5 Ø mm
- ✓ Auto Power-Off after 10 Minutes of Non-Use

The HHM98P multifunction clamp-on meter provides high accuracy and reliability in a low-cost, portable package. The built-in AC clamp makes this meter ideal for troubleshooting electric resistance heaters and other plant electrical systems. In addition, the HHM98P effectively measures current from 3 to 1000 A.



Specifications

Display: 4-digit LCD with a maximum reading of 9999

Overrange:

(OL) or (-OL) is displayed

Low-Battery Indicator:

The "⚡" is displayed

Measurement Rate: 1/s, nominal

Operating Temperature:

0 to 40°C (32 to 104°F) @ <70% RH

Storage Temperature: -20 to 60°C (-4 to 140°F) 0 to 80% RH with battery removed from meter

Accuracy: 23 ±5°C @ 75% RH

Temperature Coefficient:

10% of applicable accuracy per °C

(5% per °F) outside the range of

18 to 28°C (65 to 82°F)

Altitude: Up to 2000 m

Dimensions of Conductor: 46.5 Ø mm

Power: Standard 9 V battery (included), NEDA 1604, JIS 006P, IEC 6F22

Battery Life:

50 hr typical with carbon-zinc

Dimensions:

250 H x 100 W x 46 mm D (9.8 x 3.9 x 1.8")

Weight:

Approx 375 g (0.8 lb) with battery

AC Current (True RMS)

Range: 0 to 1000 A

Resolution: 0.1/1 A

Accuracy:

±(1.5% rdg + 10 digits) on 50 to 60 Hz;

±(6% rdg + 10 digits) on 45 to 400 Hz

AC Voltage (True RMS)

Range: 0 to 600 V

Resolution: 0.1 V

Accuracy:

±(1% rdg + 5 digits) on 20 to 100 Hz;

±(6% rdg + 5 digits) on 100 to 400 Hz

Input Impedance: 1 MΩ

Power Measurement Accuracy:

Single-phase or balance 3 phase

load with sine wave input;

power factor = 1, 50/60 Hz

Effective Measurement Range:

Current: 3 to 1000 A

Voltage: 80 to 600 V

Active Power (kW):

Range: 0 to 600 kW

Resolution: 0.01/0.1 kW

Accuracy: ±(3.0% rdg + 10 digits)

reactive power, apparent power

and power factor values obtained

by calculation from active power,

current and voltage measurements

Measurement Accuracy:

±2 digits with respect to

calculation from each

measured value

Apparent Power (kVA):

Range: 0 to 60 kVA

Resolution: 0.01/0.1 kVA

Reactive Power (kVAR):

Range: 0 to 60 kVAR

Resolution: 0.01/0.1 kVAR

Power Factor (PF):

Range: 0 to 1

Resolution: 0.001

Frequency:

Range: 20 to 400 Hz

Resolution: 0.1 Hz

Accuracy: ±(0.5% rdg + 5 digits)

Sensitivity:

Voltage: 5 Vrms

Current: 5 Arms on 20 to 100 Hz;

10 Arms on 100 to 400 Hz

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, 45 to 65 Hz

Window Width: 1 cycle

(45 to 65 Hz)

Date Points: 128 points

Window Type: Rectangular

Orders Analyzed: Up to 25th

Order Accuracy:

1 ±(3.0% rdg + 10 digits)

2 to 6 ±(3.5% rdg + 10 digits)

7 to 8 ±(4.5% rdg + 10 digits)

9 to 10 ±(5.0% rdg + 10 digits)

11 to 15 ±(7.0% rdg + 10 digits)

16 to 20 ±(10% rdg + 10 digits)

21 to 25 not specified

Harmonic Percentage: ±2 digits

with respect to calculation from each

measured value

Total Harmonic Distortion Ratio:

±2 digits with respect to calculation

from each measured value



To Order

| Model No. | Description |
|-----------|----------------------|
| HHM98P | Clamp-on power meter |

Comes complete with a pair of test leads, 9V battery and operator's manual.

Ordering Example: HHM98P, clamp-on power meter.