1000 A AC True RMS Power Clamp-On Meter

HHM98P
$199

1 YEAR WARRANTY

- **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.



HHM98P, $199, shown smaller than actual size.

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 three 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



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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

AVAILABLE FOR FAST DELIVERY!

To Order *(Specify Model Number)*

Model No.	Price	Description
HHM98P	**$199**	Clamp-on power meter
PE-1012	**100**	Reference Book: Power Generation and Control

Comes with a pair of test leads, 9 V battery and complete operator's manual.
Ordering Example: HHM98P,** clamp-on power meter, **$199.

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