

# Model 8350 One Phase / Three Phase Programmable Wattmeter



**Active, Reactive and Apparent Power  
Voltage, Current and Frequency**

**True rms DC + AC  
Bandwidth 100kHz**

**Isolated Outputs V, I, P**

**Current Probe Input**

**RS232/USB Programmable**

**Included Software for  
Windows®**

## Specifications

**For DC sources, one phase and balanced three phase networks from 1Hz to 100kHz**

**Voltage : True RMS (AC + DC)**

Ranges : 50V 250V 500V

Accuracy :

20Hz-1kHz :  $\pm(.5\% + 2 \text{ digits})$

DC :  $\pm(.7\% + 2 \text{ digits})$

Input Impedance :  $1.2M\Omega // 100pF$

Overvoltage : 600V (sine wave or DC)

**Current : True RMS (AC + DC)**

Ranges : 0.5A 2A 10A

Accuracy :

20 Hz-1 kHz :  $\pm(.5\% + 2 \text{ digits})$

DC :  $\pm(.7\% + 2 \text{ digits})$

Overcurrent : 100A (.5 sec.) all ranges

**Frequency : 1Hz to 1kHz**

Resolution : 10mHz 100mHz 1Hz

**Current probe Input :**

Sensitivity : 100mV/A . Max. 30A

DC and 20Hz to 1kHz

**Active Power**

9 ranges from 25W to 5kW for V and I

Accuracy :  $\pm(.6\% + 10 \text{ digits})$  (20 Hz -1 kHz)

$\pm(.8\% + 10 \text{ digits})$  (DC)

**Reactive Power**

9 ranges from 25Var to 5kVar according to V and I

Accuracy : (V and I sine waves)

$\pm (.6\% + 10 \text{ digits})$  (balanced 3 Phase)

$\pm (2\% + 10 \text{ digits})$  (1 Phase)

**Apparent Power**

9 ranges from 25VA to 5kVA according to V and I

Accuracy :  $\pm (1.2\% + 20 \text{ digits})$  (V and I sine waves)

**Power Factor**

Accuracy :  $\pm (2\% + 3 \text{ digits})$  (V and I sine waves)

**Isolated Outputs (V, I and P)**

Level : 1V full scale. Accuracy : 2%

**Interface :** RS232 Xon-Xoff Protocol.

Transmission Rate 1200/9600 Baud

All functions and ranges programmable.

**Safety :** CEI 1010-1 Cat III 600 V

**Power :** 230 V  $\pm 10\%$  , 50-60 Hz, max. 7 W

**Dimensions :** 240 x 240 x 75 mm (L x I x H)

**Weight :** about 1.7kg

**Misc. :** 4 digit 25mm LED display (power)

3 digit 10mm display (voltage), 3 digit 10mm display (current). Beeper for overflow.

**Distributed by :**

**Powertek**

**Powertek Instruments**

Tel : +44 1788 519911 US Tel: +1 631 744 0294 Fax : +44 870 0940135 Email : info@powertekuk.com