

# Model ISW8000 Single Phase 4 digit Wattmeter



**True and Reactive Power  
RMS Voltage, Current,  
Phase ( $\cos \emptyset$ )**

**Autorangeing with  
Protected inputs**

**Measures AC & DC  
Voltage or Current**

**RS232/USB Programmable**

**Model ISW8001 includes  
RS232/USB interface  
PC\_WATT**

**Software for Windows®**

## Specifications

### Voltage

True RMS measurement (AC + DC)

Ranges : 50, 150, 500 V

Accuracy :

20Hz - 1kHz :  $\pm(0.4\% + 5 \text{ digits})$

DC :  $\pm(0.6\% + 5 \text{ digits})$

Input impedance : 1 Mohm // 100 pF

Crest factor : 2 at full scale

Protection : 750 V peak

### Current

True RMS measurement (AC + DC)

Ranges : 0.16, 1.6, 16 A

Accuracy :

20Hz - 2kHz :  $\pm(0.4\% + 5 \text{ digits})$

DC :  $\pm(0.6\% + 5 \text{ digits})$

Crest factor : 4 at full scale

Protection : 16 A fuse

### Power

Ranges : 8, 24, 80, 240, 800, 2400, 8000 W

Accuracy :  $\pm(0.5\% + 10 \text{ digits})$  20 Hz to 1 kHz

$\pm(0.5\% + 10 \text{ digits})$  DC

AC + DC measurement

### Reactive Power

Ranges : 8, 24, 80, 240, 800, 2400, 8000 VAR

Frequency : 20-500 Hz

Accuracy :  $\pm (2.5 \% + 10 \text{ digits})$

### Phase

Display of  $\cos \emptyset$  (0 to 1.00)

Accuracy (50-60 Hz):  $\pm (1.5 \text{ deg} + 2 \text{ digits})$

(V and I > 1/10 of the range)

**Interface** : RS232 (3 wires). Xon-Xoff protocol

Transmission at 1200/9600 Baud rates

All functions and ranges programmable

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

**Power supply**: 110V or 230 V  $\pm 10 \%$ , 50-60Hz, 7 W

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

**Weight** : approx. 1.3 kg

**General** : 4 Digits 25mm LED display

### Models :

**ISW 8000**: Single phase wattmeter

**ISW8001**: with RS232/USB + analog o/p

**Option** : OPW1 isolated analog output for  
ISW8000 power monitoring

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