

Model ISW8000 Single Phase 4 digit Wattmeter



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

**Autoranging 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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