

WattsUp Pro

(order code NavWatts)

Watts is a device that can be used with to monitor real-time electricity usage and cost. It is auto-ID and connects to your LabNavigator.

Note: Do not exceed 15 Amps when using the WattsUp Pro sensor. Do not use the WattsUp Pro on other than 120VAC, 60Hz electrical circuitry.

Collecting Data with Watts

1. Plug the WattsUp Pro into a 110-120 volt wall outlet.
2. Plug an electrical device in the outlet on the WattsUp Pro
3. The power being used by the device will be displayed on the WattsUp Pro. When logging data with LabNavigator, you will not need to use the buttons on the Watts.
4. Connect Watts to LabNavigator using the included USB cable.
5. You are now ready to collect data.

What Types of Data Can I Collect with Watts?

Watts calculates a wide variety of data including maximum potential, current, power, and cumulative costs.

Specifications

- Voltage: 120 V
- Duty Cycle: 60 Hz
- Maximum current: 15 amperes
- Maximum sampling speed: 1 sample per second
- Accuracy: $\pm 1.5\%$, + 3 counts of the displayed value
- Below 60 watts, current and power factor decrease in accuracy
- Minimum measurable power: 0.5 watts
Note: at 0.5 watts, the accuracy is ± 0.3 watts
- Mains supply voltage fluctuations not to exceed $\pm 10\%$ of the nominal voltage
- Input is via 6' electric cord, output is via outlet on top of meter
- Indoor use only
- Dimensions: 7" x 4" x 2" (18cm x 10cm x 5cm)
- Weight: 1.5 lbs (0.7 kg)
- UL listed to standard UL 610010-1, and CAN CAS/C22.2 61010-1
- Altitude: up to 2000 meters
- Temperature: 5°C to 40°C
- Maximum relative humidity: 80% for temperatures up to 31°C decreasing linearly to 50% relative humidity at 40°C

This sensor is equipped with circuitry that supports auto-ID.

Troubleshooting

Problem: Display (in watts) on the WattsUp Pro does not match the display in the LabNavigator software.

Solution: Press the Mode button on the device to toggle the units until watts are displayed.

Problem: Displayed data are incorrect.

Solution: Devices that turn on and off at high loads can cause the calibration data in the meter to become corrupt. If this happens, unplug and plug back in the meter. This resets the calibration. If power cycling does not help, the meter may need to be re-calibrated at the factory. Contact Forston Labs to arrange a repair.

Warranty

The WattsUp Pro comes with a limited one-year manufacturer's warranty.



Measure.Analyze.Record

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