



Comes in 15 AMPs and Greater



AIDSmartSensor™ Wireless Power Monitor Sensor

The Power Monitor wireless transmitter is a battery operated 12 bit analog-to-digital converter with a microprocessor controlled 418 MHz, FCC certified radio transmitter. The Sensor has an on board time of day clock that allows it to spend most of the time in a low power quiescent state. This architecture allows the Sensor to consume very low energy resulting in a battery life of up to 5 years.

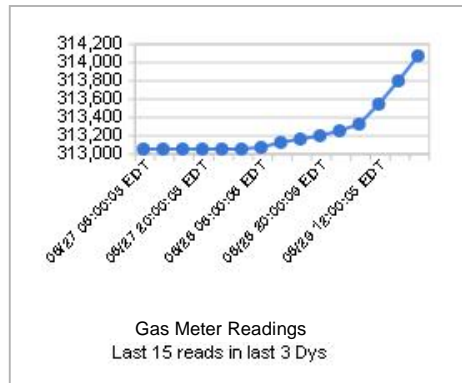
Features

- § Measures current draw
- § 64-Bit unique ID
- § FCC Certified
- § 12-bit analog to digital conversion
- § Transmits unique ID and analog value
- § Up to 600 foot transmission range
- § Transmission intervals from 10 to 17 seconds random
- § Battery life up to 5 years
- § Very small (1.3" X 2.1" X .6") ABS enclosure
- § Internal loop antenna
- § Part Number's
 - AD-2004-PWR-xxx
 - Xxx = Required Amperage (ie 15A)

Parameter	Units
Transmission Rate	10 – 17 Seconds Random
Shelf Life with Battery Installed	5 Years in quiescent mode (10 years with optional battery)
Dimensions (enclosure)	1.5 W X 2.1 H X .6 D (inches)
Weight	1.5 oz.
Operating Temperature	-40° to 85° C
Input (0-20mA) – Model Analog20mA	120 Ohms, 0-20.83 milliamp. 12-bit resolution, 20 mA=3932
Input (0-5v) – Model Analog5v	100k ohms, 0-5 volt, 12-bit resolution, 4.99v=4095
Input (0-10v) – Model Analog10v	62k ohms, 0-10volt, 12-bit resolution, 9.99v=4095
Humidity	0% to 90% Non-Condensing
Battery Life with Transmission	2-5 Years with TX Period of 10-17 Seconds
Battery	3.6 volt Lithium
FCC Certified	M5ZWOWANA

AVIDdashboard Integration

Sensor readings are quickly viewed from the AVIDdashboard main page by adding a graphical widget to display the level. User defined Alerts can signal support resources to handle any out of control conditions.



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