



Comes in 0-5vdc, 0-10vdc & 0-20mA



AVIDSmartSensor™ Wireless 418 MHz Analog to Digital

This sensor 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 little energy and a battery life of 2 to 5 years results.

Features

- This sensor can be ordered in one of three models PN: AD-2004-5V (10V or 20MA)
- Analog input
- 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
- Patent Pending Modulator
- Battery life up to 5 years
- Very small (1.3" X 2.1" X .6") ABS Enclosure
- Complies with part 15 of the FCC rules
- Water resistant coating on PCB
- Internal Loop antenna

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	-40° to 70° C
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
Transmission Rate	10-17 seconds random
Shelf Life with Battery Installed	5 Years in quiescent mode (10 years with optional battery)

Option	Input
5 V	100k Ohms, 0-5 volts. 12-bit resolution, 5 VOLT=4096
10 V	62K Ohms, 0-10 Volt. 12-bit resolution, 9.99V=4095
20 mA	121 Ohms, 0-20.66 milliamp. 12-bit resolution, 20 mA=3965

Contact
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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.

Pressure on Pump OL-256 has exceeded parameters

