



5vdc, 10vdc or 20mA Versions



## AVIDSmartSensor™ Wireless 900 Analog to Digital

This sensor is a battery operated analog to digital converter with a microprocessor controlled 900 MHz. FCC certified radio transmitter. An internal reed switch permits a user to activate the sensor with a magnet. There is an on/off switch that allows you to turn the sensor off when not in use.

### Features

- Part Number: ADAD-2005-5V (10v,20ma)
- Analog input module
- 3 Models: 0-5vdc, 0-10vdc, or 0-20mA available
- 12-bit Analog to Digital Conversion
- Integrated 100mw, 900 MHz SSFH radio for long range performance
- Optional 2.4GHz radio
- Range Indoor: Up to 1300 feet
- Range Outdoor: Up to 1 mile with standard antenna
- Battery lasts up to 2 years at 5 minute transmit intervals
- Very small (3.25" X 3.25" X 1.375") ABS Enclosure
- Complies with part 15 of the FCC rules
- External ¼ wave antenna

Parameter	Units
<b>Shelf life with battery installed</b>	10 Years in quiescent mode
<b>Weight</b>	4.7 oz.
<b>Operating Temperature</b>	-40° to 85° C
<b>Humidity</b>	0% to 90% non-condensing
<b>Input (0-5vdc) - Model Analog 5v</b>	100k ohms, 0-5 volt, 12-bit resolution, 4.99v=4095
<b>Input (0-10vdc) - Model Analog 10v</b>	62k ohms, 0-10 volt, 12-bit resolution, 9.99v=4095
<b>Input (0-20mA) - Model Analog 20 mA</b>	120 ohms, 0-20.83 milliamp, 12-bit resolution, 20mA=3932
<b>Battery life with transmissions</b>	2 years with TX period of 5 minutes
<b>Battery</b>	(2) 3.6 volt Lithium thionyl chloride
<b>Shelf life with battery installed</b>	10 Years in quiescent mode
<b>Weight</b>	4.7 oz.
<b>Operating Temperature</b>	-40° to 85° C

### AVIDdashboard Integration

Sensor readings are quickly viewed from the dashboard 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.

Pump OP-254 has exceeded parameters please check

**ALERT**



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