



AVIDSmartSensor™ 4-Channel Analog to Digital

Features

- Part Numbers: AD-2006-4CHAN-AD5V (10V, 20MA)
- 4-channel analog interface (available as 0-10vdc, 0-20mA, or 0-5vdc)
- 12-bit Analog to Digital Conversion
- Transmits unique ID and analog value
- RS485 multi-drop interface
- Sequentially transmits data from each of 4 channels
- Very small (2.5" x 2.0" X 1.0") ABS Enclosure
- CRC-16 checked Status, ID, and thermistor data
- 2.5" X 2" X 1" ABS enclosures

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The transmitter is a powered 0-10vdc, 0-20mA, or 0-5vdc analog interface with RS-485 interface. At predetermined time intervals the clock will wake up the onboard microprocessor and analog data is read from a 12-bit analog-to-digital converter. This information is combined with a unique serial ID, CRC-16 error check and transmitted in a very short data packet via the RS-485 interface.

The built-in LED provides feedback for when standard data is transmitted and indication of which channel is producing the service packet.

Parameter	Value
Transmission rate	10-17 seconds random alternates channel every 3-4 seconds
Dimensions	2.5 W X 2.0 H X 1.0 D (inches)
Weight	1.5 oz.
Operating Temp	-40° to 85° C
Humidity	0% to 90% non-condensing
Input	(62 ohms, 0-10vdc) (120 ohms, 0-20mA) (100 kohms, 0-5vdc), 12-bit resolution 10vdc = 4095