

DIGITAL INPUTS - 4

There are 4 digital inputs with a single common. These can accept inputs from 10 to 30VDC or AC.

FAST PULSE COUNTERS

The first two digital inputs can be configured as pulse counters for inputs up to 5KHz. All digital inputs can be used as pulse counters to 5Hz.

DIGITAL OUTPUTS - 2

The digital outputs are isolated form A relays. These are rated to 3A @ 30VDC or 240VAC.

DATA LOGGING - 1Mbyte Flash on-board memory.

Logging may be scheduled or event driven up to 100,000 time-stamped readings.

PLC CONTROL LOGIC - IEC61131.3 Ladder Diagram.

COMMUNICATIONS PORTS

Port 1 - Internal Data Radio or Cellular Modem

Port 2 - RS232.

Port 3 - RS485.

Port 4 - USB 2.0 Programming Port.

COMMUNICATIONS PROTOCOLS

The AD3000 supports a number of industrial standard protocols which include :-

- Allen Bradley DF1
- DNP
- GE-Fanuc/Koyo CCM
- Modbus RTU/ASCII
- Omron
- OPC Server

Other protocols may be available on request.

ANALOG INPUTS - 4

The analog input channels may be configured for either current or voltage inputs by means of on board jumpers.

4-20mA / 1-5V	Resolution - 12 bits
0-20mA / 0-5V	Accuracy - 0.1%
or 0-1V	Linearity - 0.1%

Analog input 4 can be configured as a normal analog input or to monitor the battery voltage.

WIRELESS OPTIONS

400MHz, 920MHz and 2.4GHz onboard data radio or Cellular Modem

POWER SUPPLY - 10 to 30VDC

POWER CONSUMPTION

Without Modem	<1W
Receive Mode	2W
Transmit	7W

WEIGHT Without internal modem - 325g
With internal modem - 360g

OPERATING TEMPERATURE -20° to +70° C

DIMENSIONS - 150 x 75 x 60 Din rail mounting.