

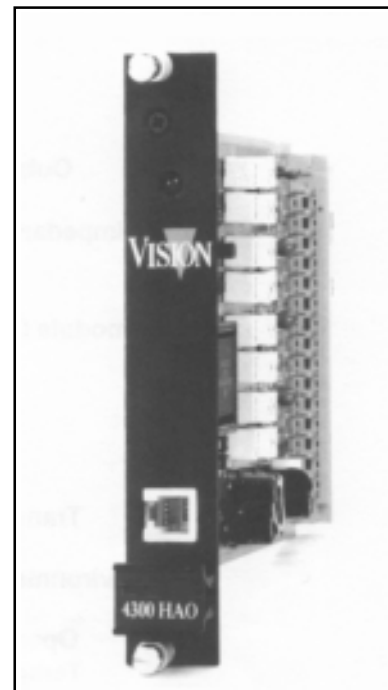
VISION™ Series 4300

DISTRIBUTED

INTELLIGENCE FOR POWER OVER YOUR PROCESS

Model 4300-HAO Analog Output Module

- ▽ **Universal, Configurable Module Generates Voltage and Current Outputs**
- ▽ **Generates Four High-Level Analog Outputs**
- ▽ **Loop Power Available for All Outputs**
- ▽ **17-Bit Resolution**



The Model 4300-HAO is a universal, multi-channel analog output module generating up to four outputs over any range within the maximum limits of -11 to +11 VDC, or 0 to +55 mA.

The 4300-HAO module can be configured to act as a low-voltage (up to 11 VDC), low speed (500 msec resolution) digital output module inputs, and can be directly drive 5 volt logic and low current interposing relays.

The four high-level outputs can be either current or voltage modulated and combined on the same module.

24 VDC to power 4-20 mA and/or 10-50 mA output loops is available. Each channel can be independently configured.

Self-diagnostics are provided. A local LED indicator clearly distinguishes between an operational, configured and functioning unit, or a non-func-

tioning unit. Specific internal errors such as bad D/A and out-of-calibration are also detected.

Each of the four channels can be configured to set outputs to a predetermined fail-safe output value in the event of loss of communication.

Also refer to the following:
P/N 910000-131
P/N 910000-136

VISION™
Distributed Intelligence

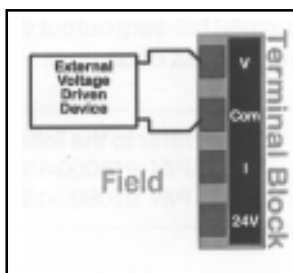
△ PYRAGON, INC.

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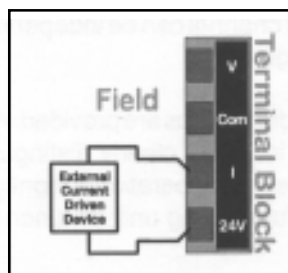
SPECIFICATIONS

Model 4300-HAO

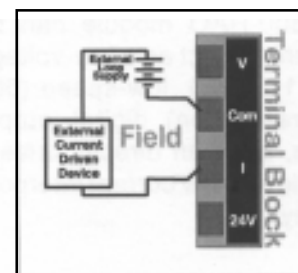
Input Types and Ranges:	Voltage*: -11 to +11 V Current*: -55 to +55 mA *Any range within these maximum limits
Accuracy:	Voltage: 1 mV Current: 30 μ A
Resolution:	Voltage: 200 mV Current: 1 μ A
Output Update Rate:	≥ 2 times per sec per input per output
Output Impedance/Compliance:	Impedance: <1 ohm at 5mA Current: 40 VDC maximum
Intermodule Communication:	Via a dedicated VLSI microprocessor Physical layer is RS-485 @ 78 Kb/sec, Multi-drop
Loop Power:	Non-isolated 24 VDC to power 4-20 or 10-50 mA output loops Available on an output-by-output basis.
Transient Protection:	Survives ANS/IEEE SWC C37.90
Environmental Protection:	Dust and water resistant, based on enclosure or housing
Operating & Storage Temperature Range:	-40 to 85°C
Humidity Range:	5 to 95% RH; <0.1% effect at 95% @ 40°C
Combined Repeatability, Hysteresis, Temperature, and Power Supply Effects:	Voltage: <3 mV Current: <100 μ A
Isolation:	Optionally provided by Pyragon Model 10 Isolator
Power:	24 VDC @ 80 mA (Exclusive of Loop Power)



HAO Channel - Voltage Output



HAO Channel -
24 VDC Powered Current Output



HAO Channel - Current Output

P/N 910000-134
Rev. 1.4/1194-4M

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