

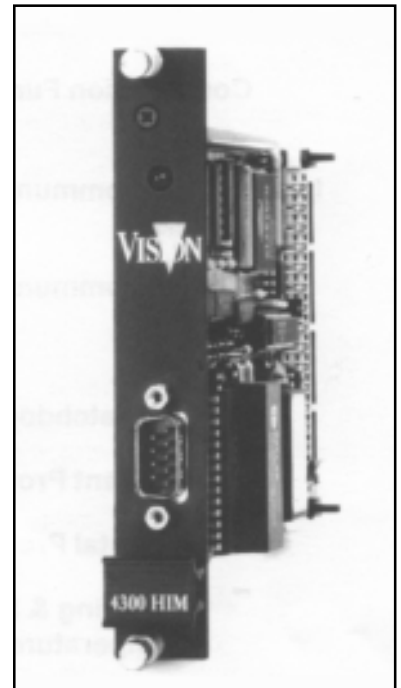
# VISION™ Series 4300

DISTRIBUTED

INTELLIGENCE FOR POWER OVER YOUR PROCESS

## Model 4300-HIM Host Interface Module

- ▽ **Powerful Processor to Interface with Host Devices such as PC's or Control Systems**
- ▽ **Supports Popular Protocols such as MODBUS for Widespread Compatibility**
- ▽ **Supports RS\_232, RS-485 and Telemetered Communications**
- ▽ **Capable of Performing High-Level Computations such as Flow, Linearization and Scaling**



The Model 4300-HIM is a fast and powerful CPU for communicating on Vision's peer-to-peer network with other Series 4300 modules simultaneously with an external host. It provides host-to-network communication via a variety of protocols such as MODBUS.

Physical layer protocols supported include RS-232, RS-422 and RS-485. Modem support for telemetered applications such as Autodial/Auto Answer is also provided.

Furthermore, the 4300-HIM performs computation and data reduction functions that exceed those performed by the other modules. The 4300-HIM contains up to one megabyte of on-board memory base upon its application.

A library of software function blocks, developed and maintained by Pyragon, is used to perform a growing number of functions. Current function block capabilities support setpoint trip, engineering unit scaling, flow computations and

archival storage or point configurations.

Self-diagnostics are provided. LED indication distinguishes between an operational, configured and functioning unit, and a non-functioning unit.

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

**VISION™**  
Distributed Intelligence

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# SPECIFICATIONS

## Model 4300-HIM

CPU:	V40 Computer @ 10 MHz
Baud Rate (Host):	Selectable to 19.2K baud, asynchronous
Memory:	A mixture of RAM, ROM and non-volatile RAM, depending upon application.
Computation Functions:	Process-oriented multi-variable calculations and data reduction functions.
Intermodule Communication:	Via a dedicated VLSI microprocessor Physical layer is RS-485 @ 78 Kb/sec, Multi-drop
Host Communication:	Variety of protocols, including MODBUS Physical layers include RS-232, RS-422, RS-485 and Modem support
Watchdog timer:	stand-alone
Transient Protection:	Survives ANS/IEEE SWC C37.90
Environmental Protection:	Dust and water resistant, base 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
Power:	24 VDC @ 75 mA

P/N 910000-137  
Rev. 1.3/1194-4M



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