

Verderflex

Vantage 5000 Modbus® digital control



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Description

Modbus® RTU is a globally used, open data communications protocol that allows a single master controller, such as a PLC, to easily interface with multiple, uniquely addressed Verderflex Vantage 5000 pumps in a digitally controlled, high resolution dosing or metering system.

Your benefits

- Vantage 5000 pumps can be networked over an industry standard, license free data network
- MODBUS® RTU simplifies the integration of the Vantage 5000 into PLC controlled data highways
- MODBUS® RTU allows many Vantage 5000 pumps to be uniquely identified and controlled by a single master controller PLC or computer
- MODBUS® RTU gives real-time parameter feedback and alarms from a network of Vantage 5000 pumps to a single master controller



Technical specifications

Protocol	MODBUS RTU
Node ID	0 - 255 available : Recommended 1-247 are used in accordance with MODBUS standards
Baud Rate	User selectable : 1200 - 921600
Parity	User selectable : None, Even or Odd
Configuration	Slave device
Failsafe Mode Time out	10 Seconds
Failsafe Word	Pump Speed, Speed Source
Input Registers	Pump Model Tube Size Pump Speed Pump Run Time Job Run Time Tacho Counter Flow Rate Job Mode Flow Units Calibration Date Job Counter
Holding Register	Speed Set Point Minimum Speed Maximum Speed Failsafe Word & Speed
Control Registers	Motor Run Direction Tacho Reset Fieldbus Enable Fieldbus Calibration Factor




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Status Registers	Motor running
	Global Error
	Fieldbus Enable
	Door Open
	Over Temperature
	Motor Stalled
	Tube Burst
	Set Point Out of Range
Fluid Level Alert	
Input / Output Registers	Input - Manual/ Auto
	Input - Stop
	Input - Start
	Input - Product Destination Full
	Input - Product Source Empty
MODBUS® Interface	Galvanic Isolated Semiconductor
	Maximum Differential Voltage 12V DC
	Amphenol M series A Type 5 WAY Connector positioned on the back of the pump
Connection	
	PIN 1: NC PIN 2: A PIN 3: NC PIN 4: B PIN 5: NC

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Find your local supplier at www.verderflex.com

For construction installation and floor mounting drawings please contact your local authorised Verderflex® distributor.

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passion for pumps