Press Release

Profibus to Modbus Converter

The Anybus Communicator from HMS Industrial Networks is an intelligent protocol converter that connects Modbus devices to Profibus networks

The Anybus Communicator is an intelligent protocol converter which connects automation devices via their serial Modbus interface to Profibus networks. The Communicator provides instant Profibus connectivity. The automation device remains unchanged and there is no need for hardware or software modifications or extensive engineering work. Modbus is a very popular serial protocol and the industrial automation market contains a wide range of existing devices with a Modbus interface such as temperature sensors, barcode readers, motor controllers and measuring instruments. Using the Anybus Communicator, all these devices can now be easily integrated into modern automation systems based on Profibus and PLCs, e.g., from Siemens, Schneider and ABB.

The Anybus Communicator is a small stand alone device with DIN rail mounting. It is powered by an industrial 24 Volt power supply and typically only consumes 100mA. On the Profibus side, the Communicator acts as a slave. On the Modbus side, it acts as a master and supports all baudrates from 1200 Baud up to 56kbit/s. In RS-485 mode, the Communicator can connect up to 31 serial Modbus devices to Profibus. The Communicator supports the Modbus-RTU and the Modbus-ASCII protocol. The configuration is made in 7 simple steps with a user friendly Windows based configuration tool.

The Profibus converter is a member of HMS´s Anybus Communicator family which consists of 14 different versions supporting the fieldbus systems including Profibus, DeviceNet, ControlNet, CANopen, Interbus, FIPIO, Modbus-RTU, Modbus-Plus, CC-Link and Lonworks and additionally the industrial Ethernet protocols EtherNet/IP, Profinet, Modbus-TCP and EtherCAT. All of these versions provide the same functionality and allow device manufacturers to connect their automation devices to all leading industrial networks.

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