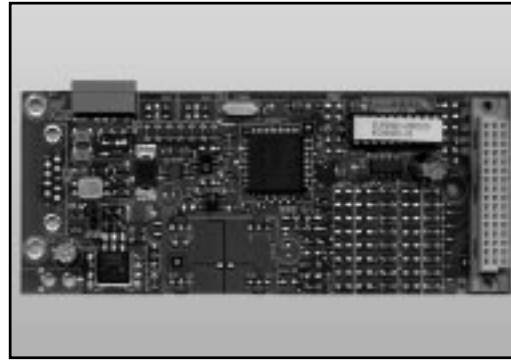




# MODBUS FIELDBUS INTERFACE MODULE

(Module # DC-7)



MODBUS FIELDBUS  
INTERFACE MODULE

Modbus is a fieldbus interface that permits a plant PC or PLC (programmable logic controller) to directly control a DISOCONT™ based control system via the Modbus communication protocol. The module itself mounts inside of the DISOCONT™ “DC-1” System Module, allowing over 96 control functions, 800 status bits and 90 process feedback values to be accessed. Control parameters can also be manipulated through this interface. The Modbus fieldbus module is an extremely powerful and flexible interface that can be configured for basic start and stop operations as well as complex applications requiring parameter changes and multiple feedback values.

## KEY FEATURES AND BENEFITS:

- Modbus is a hardware and software communication protocol established by Modicon, a leading manufacturer of programmable logic controllers or PLCs.
- Modbus protocol is designed to allow a computer (the Modbus Master) to send information to and receive information from up to 247 intelligent devices, all connected to the same cable.
- Modbus uses standard RS232/RS422/RS485 hardware.
- Modbus is used extensively in the chemical, food and plastic industries.
- Modbus is accepted and used globally for plant and process automation applications.
- Platform flexibility allows Modbus to be used with PC or PLC based controllers.

- Modbus can support communication speeds up to 19.6 Kbaud.
- Modbus can support communication distances up to 4,000 feet (1200 meters) with RS485.

## PLCs SUPPORTING MODBUS COMMUNICATIONS:

Nearly every PLC manufacturer supports Modbus communications, either directly or through a third party communication card; i.e. Allen Bradley PLC with Prosoft Communication Card.

**For more information, please call  
the AccuRate Sales Department at  
1-800-558-0184 or Fax: 262-473-4384  
or e-mail: [sales@sarinc.com](mailto:sales@sarinc.com)**

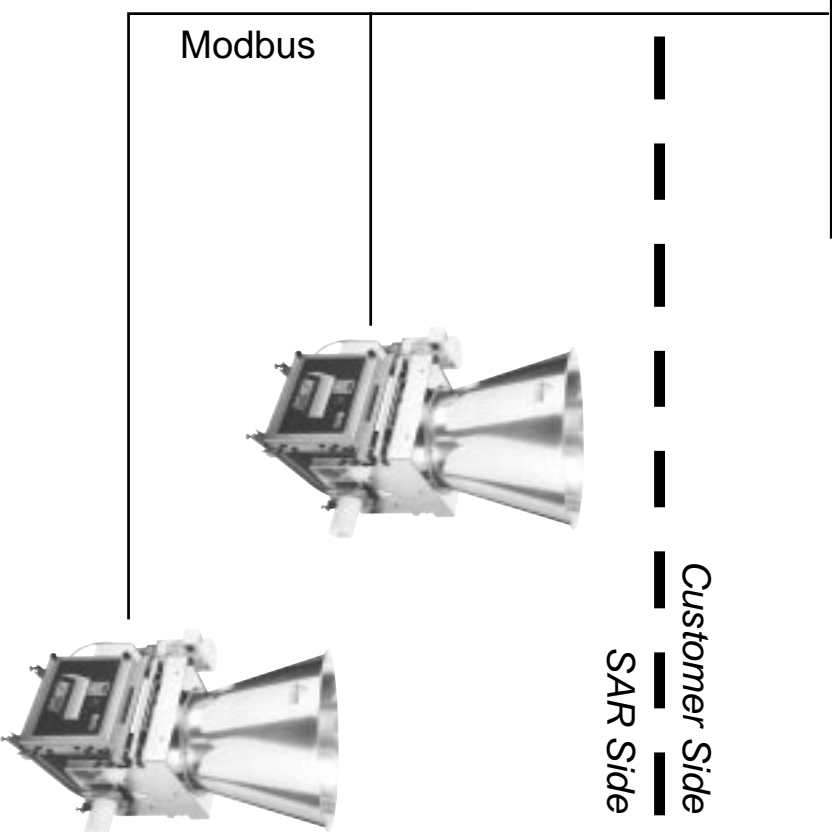
SPECIFICATIONS

# MECHATRON™/ DISOCOCONT™ Used With Customer Supplied Supervisor

Process Supervisor  
(PLC/DCS/PC)

Required SAR Equipment

- System Module VSE
- Modbus Module VSB



MODBUS FIELDBUS  
INTERFACE MODULE

SPECIFICATIONS