





Honeywell DE Master Communication Interface Module MVI56-DEM

Supported Honeywell instruments include:

- ST 3000 smart pressure transmitter
- STT 3000 smart temperature transmitter
- SMV 3000 smart multivariable transmitter
- MagneW 3000 smart magnetic flowmeter
- SCM 3000 smart coriolis mass flowmeter
- SGC 3000 smart gas chromatograph

How to Contact Us: Sales and Support

All ProSoft Technology products are backed with unlimited technical support. Contact our worldwide Technical Support team directly by phone or email:

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Honeywell DE Master Communication Module

MVI56-DEM

The MVI56 DE Master Communication Module allows Rockwell Automation ControlLogix I/O compatible processors to interface easily with Honeywell DE instruments. Compatible devices include a large array of field devices including pressure, temperature, metering and many other instruments.

Features and Benefits

The module supports 16 DE channels, allowing both single and/or multivariable Honeywell transmitters operating in the DE mode to be directly integrated in the Rockwell Automation environment.

Data exchange between the DEM module and the processor data table is performed using standard ladder logic. Included in system is the pre-programmed ControlLogix, rack and power supply, the DEM module and the Honeywell field terminal assembly and cable.

General Specifications

- Single Slot 1756 backplane compatible
- Local or remote rack
- The module is recognized as an Input/Output module and has access to processor memory for data transfer between processor and module
- Ladder Logic is used for data transfer between module and processor.
- Configuration data obtained through user-defined ladder. Sample ladder file included

Hardware Specifications

Specification	Description
Backplane Current Load	800 mA @ 5 V
Operating Temperature	0 to 60°C (32 to 140°F)
Storage Temperature	–40 to 85°C (–40 to 185°F)
Shock:	30g Operational
	50g non-operational
	Vibration: 5 g from 10 to 150 Hz
Relative Humidity	5 to 95% (non-condensing)
LED Indicators:	Module Status
	Backplane Transfer Status
	Application Status
	Serial Activity



Specification	Description
Debug/Configuration port (CFG)	
CFG Port (CFG)	RJ45 (DB-9M with supplied cable)
	RS-232 only
Application ports (PRT1 & PRT2)	
Full hardware handshaking control, providing radio, modem and Multi-drop support	
Software configurable	Baud rate: 110 to 115,200 baud,
communication	depending on protocol
parameters	RS-232, 485 and 422
	Parity: none, odd or even
	Data bits: 5, 6, 7, or 8
	Stop bits: 1 or 2
	RTS on/off delay: 0 to 65535 ms
App Ports (P1,P2)	RJ45 (DB-9M with supplied cable)
(Serial modules)	RS-232 handshaking configurable
	500V Optical isolation from backplane
Shipped with Unit	RJ45 to DB-9M cables for each port
	6-foot RS-232 configuration cable

Functional Specifications

- Backplane data transfer via input/output Imax files
- Interfaces with Honeywell smart transmitters operating in the DE mode.
- Support multiple DE channels CLX up to 16 Channels with single PV transmitter, multivariable transmitters
- Instrument database mismatch verification
- Interfaces directly to Honeywell Field Terminal Assembly (FTA)
- Single cable connection from DEM module to FTA
- External 24 VDC source connection on front of DEM module for instrument loop power
- LEDs for visual module status
 - Module active
 - Module fault

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• Operation via simple ladder logic

Additional Products

ProSoft Technology offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

Visit our web site at http://www.prosoft-technology.com for a complete list of products.

Ordering Information

To order this product, please use the following:

MVI56-DEM Honeywell DE Master

Communication Interface Module

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