

NuFlo™

MVX®-II Multi-Variable Transmitter

The NuFlo MVX®-II Multi-Variable Transmitter is a low-power, durable, field-hardened transmitter intended for gas measurement. It provides a highly accurate measurement solution when used in combination with the NuFlo Scanner™ 1150, or any of the flow computers in the NuFlo Scanner™ and 332 product families. Its easy-to-use laptop interface and industry standard communication protocol make configuration, measurement, and reporting simple, accurate, and reliable.

Integral Multi-Variable Sensor

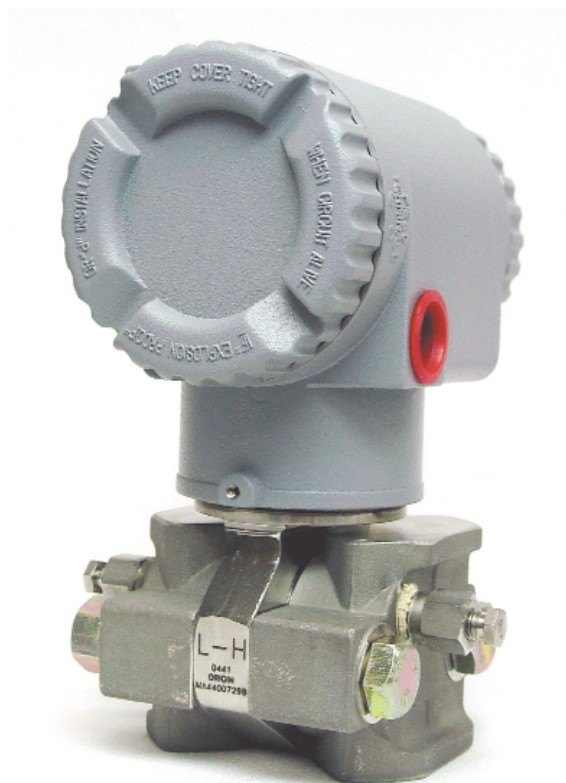
- Provides linearized digital data
 - Static pressure
 - Differential pressure
 - Process temperature based on an external 100-ohm RTD
- Static pressure ranges of 3000 psia and 5300 psia also available (specify at time of order)
- NACE-compliant units also available
- Remote-mount option also available

Maximum Operating Conditions

Differential Pressure (in. H ₂ O)	Static Pressure (PSIA)
30	100
200	300
200	500
200	1500
300	1500
400	1500
840	300
840	1500

Accuracy

- Differential Pressure: +/- 0.05% of span
- Static Pressure: +/- 0.05% of span
- Process Temperature: +/- 0.5°F



Calibration

- Factory calibrated
- Field calibration: selectable, 1 to 5 points
- Calibration data is secure in non-volatile memory

Communications

- RTU mode Modbus (slave)
- On-board communications ports
 - RS-485: 4800, 9600, 19200, or 38400 baud

CPU

- Low power, high performance, 16-bit RISC
- In-system programmable
- Non-volatile flash memory for configuration/calibration data

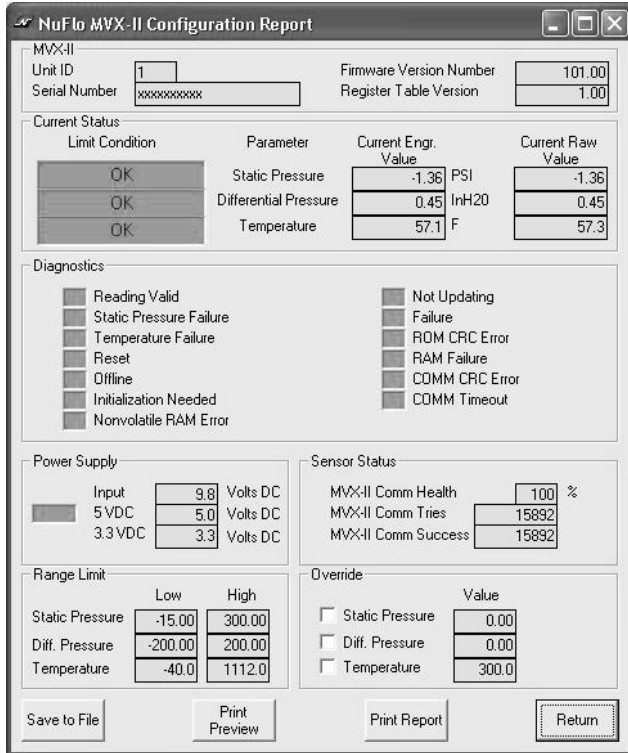


Figure 1 – Interface screen for generating an MVX-II configuration report

Certification

- CSA-approved for US and Canada
- Explosionproof: Class I, Div. 1, Groups B, C, and D
- Class I, Div. 2, Groups B, C and D
- Type 4X

Power Supply

- Input: 9 to 16 VDC @ 30 mA
- Reverse polarity and transient protection
- EMI filtering

Temperature Range

- -40°F to 158°F (-40°C to 70°C)

Interface Software

- Configuration with reporting (see Figure 1)
- Calibration with reporting
- Included with MVX-II at no charge

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