

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
- NACE-compliant units also available
- Remote-mount option also available
- Stainless steel bolting available

Accuracy

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

Calibration

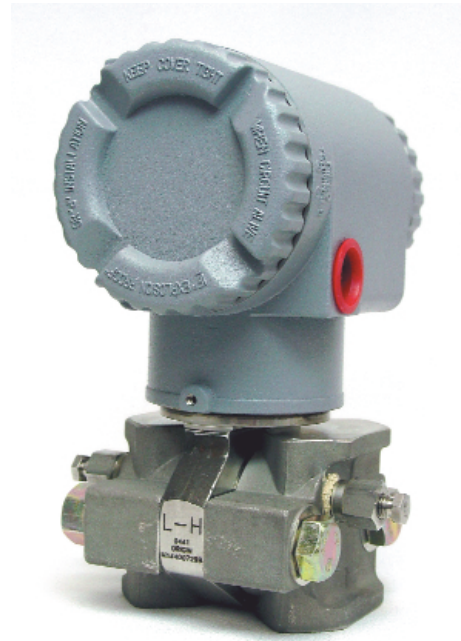
- Factory calibrated
- Field calibration: selectable, 1 to 5 points
- Calibration data is secure in non-volatile memory

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



Maximum Operating Conditions

Static Pressure (psia)	Differential Pressure (in. H2O)	Safe Working Pressure (psia)
100	30	450
300	200	450
300	840	
500	200	750
1500	200	2250
1500	300	
1500	400	
1500	840	
3000	200	4500
3000	300	
3000	400	
3000	840	
5300	200	5800
5300	300	
5300	400	
5300	840	

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: 8 to 28 VDC @ 30 mA max
- 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

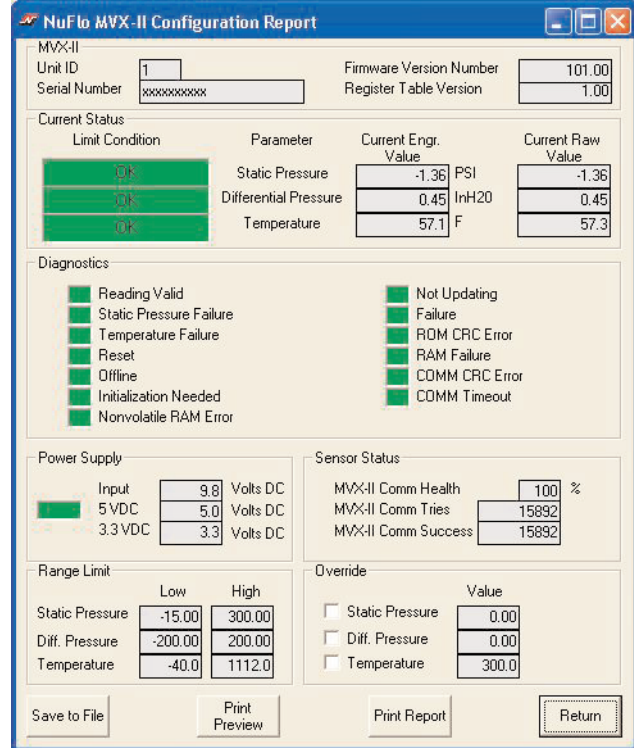


Figure 1 – MVX-II interface screen for generating a configuration report

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