

SERIES 9500DP MICROPROCESSOR BASED DIFFERENTIAL PRESSURE TRANSMITTER



FEATURES

- Σ **Small Form Factor**
- Σ **Analog/Digital Output**
- Σ **Ultra Stable/High 0.2% Accuracy**
- Σ **316SS Construction**
- Σ **Active Temperature Compensation**
- Σ **Integral Surge Protection**
- Σ **Wide D.P. Range**
- Σ **Fully Repairable**
- Σ **RS485 MODBUS® Output**
- Σ **Field Calibrateable**

Sigma Controls, Inc. introduces a new series of differential pressure transmitters with the Model 9500DP. Utilizing a state of the art, Piezo resistive media isolated sensor and active temperature compensated microprocessor based electronics, the 9500DP offers significant accuracy and stability gains over more traditional analog designs.

Industry standard 4/20MA output and MODBUS® RS485 digital output are standard on all transmitters. Pressure and temperature information is available on the digital output.

Digital data transmission offers the ability to link or 'daisy chain' up to 256 transmitters on a single cable 'run' over a distance of up to 4000 feet offering significant cable and installation cost savings.

Sigma's MODBUS® Protocol is digitally compatible with all Myriad monitors and control devices and permits the direct connection of the transmitter to our spread spectrum radio modem for long distance transmission of level signals without the need for an RTU.

APPLICATIONS

- Σ **Pressurized Tank Level Measurement**
- Σ **Filter Monitoring**
- Σ **Flow Monitoring**
- Σ **Chiller Flow**
- Σ **Refrigeration Monitor**
- Σ **Bag Filter Alarm**

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SERIES 9500DP MICROPROCESSOR BASED LEVEL TRANSMITTER

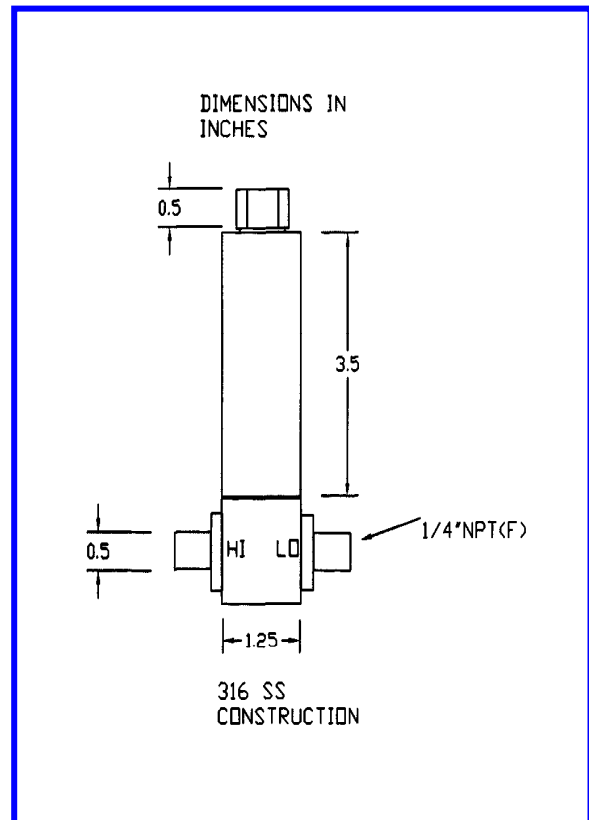
SPECIFICATIONS

Ranges	PSID
Overpressure	1000 PSI
Thermal Limits	Maximum Operating 40°C/85°C (-40°F/185°F)
Compensated	0°C/50°C (± 32°F/122°F)
Temperature Effects	± 0.1% output span within compensated range.
Accuracy	= ± 0.2% FB
Input/Output	7.8 - 36 VDC/4-20MADC/Digital
Electrical Connection	Attached four wire 20GA direct burial polyurethane jacketed shielded cable.
Cable Color Code	Black (-) Red (+) Power Blue Digital Output 'B' Yellow Digital Output 'A'
Process Connection	316SS 1/4 NPT (F)
Materials of Construction	316SS body, Buna N 'O' Ring, Neoprene Grommet, 316SS diaphragm, polyurethane jacketed cable.
Weight	1/2 Lbs. Approximately, (without cable)

ORDERING INFORMATION

MODEL	9500DP = SS Body
MOUNTING	Pipe
RANGES	005 = 5 PSID 010 = 10 PSID 030 = 30 PSID 015 = 0/35 PSID = 0/35 FT WC 100 = 100 PSID
OUTPUT	1 = 4/20MA 2 = 4/20MA and MODBUS®
MATLS OF CONST	6 = 316SS Diaphragm/316SS Connection Buna N 'O' Rings
FILL LIQUID	DS = Silicone 200 Fill Liquid
OPTIONS	CD – 1/2" Electrical Conduit Adapter
CABLE LENGTH	Specify Length in Feet
EXAMPLE	9500DP-005-1-DS-(20)

DIMENSIONS



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