
GAUGE PRESSURE TRANSDUCER



MODEL GPX 100

FEATURES

- Easily panel mounted
- Choice of outputs:
0.5-4.5 VDC
Loop powered 4-20 mA
- Choice of ranges:
5, 10, 15, 30 PSI

APPLICATIONS

- Ideally suited for bubbler system level measurement
- Designed for use with the Station Master pump controllers

The Contegra Model GPX 100 is a reliable and accurate gauge pressure transducer. It provides ease of installation and maintenance where a panel mounted transducer is required. The GPX 100 is well suited for bubbler applications.

The GPX 100's output signal is directly proportional to the sensor's pressure range.

The stainless steel diaphragm of the sensor is in direct contact with the sensed media.

For applications where media isolation or offset and span adjustment are required, Contegra offers the GPX 220.

MODEL GPX 100

Specifications

Pressure Ranges (PSI)*:

- 5 (0-11.5 ft.)
- 10 (0-23.1 ft.)
- 15 (0-34.6 ft.)
- 30 (0-69.3 ft.)

Consult the factory for other ranges.

Pressure Overload:

Four times full scale of the sensor

Accuracy:

0.25% over the full scale pressure range including nonlinearity and hysteresis

Input / Output:

E Version: 5 VDC Class 2 supply/
0.5-4.5 VDC output

M Version: Loop powered 10-30
VDC Class 2 supply, 4-20 mA out-
put.

Dimensions:

7" H x 2.6" W x 1.7" D

Compensated Temperature:

-25° C to 85° C (-13° to 185° F)

Media compatibility

Brass, 316 SS

Electrical Connections:

Barrier type terminals for 14-18
AWG

Relative Humidity:

95% non condensing

Approvals: UL Listed 508.

UL 913 intrinsically safe sensors
are available. Consult the factory
for information.

Engineering Specifications

A gauge pressure transducer shall be provided to sense the pressure of the _____ at the location as shown on the plan drawings and in accordance with the manufacturer's recommendations.

The sensor shall have a brass 1/4" NPT bulkhead fitting for connection to the system's pressure tap.

E version (0.5-4.5 VDC)

The transmitter shall be a 3 wire, 5 VDC powered type with an output of 0.5-4.5 V directly proportional to the measured level excursion. The transducer shall be UL Listed. The transducer shall be a CONTEGRA Model GPX 100-E.

M version (4-20 mA output)

The transmitter shall be a 4-20 mA DC, 2 wire, 10-30 VDC loop powered type with its output signal directly proportional to the measured level excursion. The transducer shall be UL Listed. The transducer shall be a CONTEGRA Model GPX 100-M.

Ordering Information (SEE EXAMPLE BELOW**)		
Model	PSI	Options
GPX 100-E	XX	ENCLOSURE
GPX 100-M		A = Enclosed - Nema 4X FRP
	*Ref Above	Other options available. Consult factory

** A typical model number is GPX 100-E-5. This includes a GPX 100 with a 5 PSI sensor, providing a 0.5-4.5 VDC output over the range 0-5 PSI. Contegra is a Registered trademark of Contegra Inc. Specifications are subject to change without notice.



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