

SUBMERSIBLE / LEVEL PRESSURE TRANSDUCER/TRANSMITTER

Models 1102, 1103



TARGET APPLICATIONS:

- Industrial OEM
- Level & Depth
- Water & Waste Water Treatment
- Irrigation
- Groundwater Testing
- Food & Beverage

FEATURES:

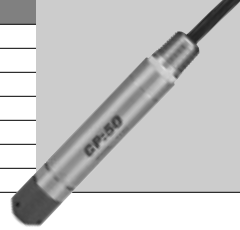
- Low Cost, High Accuracy, High Reliability
- 0.5% FSO standard accuracy, 0.25% typical
- Small Size - 1" diameter, Lightweight
- Rugged, all welded construction
- 1/2" NPT Conduit Thread Standard
- IP68 Rated
- Operating Temperature -40°F to +180°F

PRESSURE RANGES:

- From 0-15 to 0-500 psig
(See ordering guide)

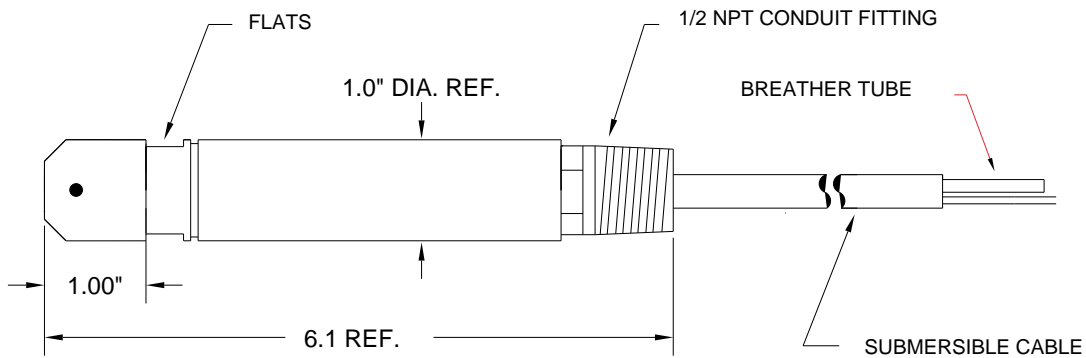
MODEL	OUTPUT @ 70°F	EXCITATION
1102	0-5 Vdc \pm 2% FSO	9.0-36 Vdc
1103	4-20 mA \pm 2%FSO	9.0-36 Vdc

OUTLINE



Some options will affect dimensions.
Consult factory if important.

MODEL 1102/1103



WIRING CODE

	1102	1103
A/1 Red	+ Excit.	+ Excit./Signal
B/2 Black	- Excit.	- Excit./Signal
C/3 Green	+ Signal	NC
D/4 Shield	Open	Open

To avoid ground loops, Earth Ground the shield wire or the transducer/transmitter case, but not both.

SPECIFICATIONS

Unless otherwise stated, these specifications are the standards to which the units are normally constructed. Alterations may be easily and readily accomplished by the standard modification code or by discussion with the factory. We invite your inquiry.

Accuracy (Non-linearity, Hysteresis, Non-repeatability)	0.5% (BFSL)
Pressure Cavity Material	316 stainless steel and inconel
Resolution	Infinite (Practical = 0.06% FSO)
Temperature Limits Compensated Operating Storage	0°F to 180°F -40°F to 180°F -40°F to 250°F
Temperature Compensation Zero Span	±2.0% FSO/100°F ±2.0% FSO/100°F
Mechanicals Response Time Proof Pressure Burst Pressure Weight	5 ms 1.5 X Full Scale Output 3 X Full Scale Output
Standard Connections Pressure Electrical	PVC Bullet Nose 8' Molded Polyurethane Jacket, 6 Conductor with Breather Tube
Electrical Excitation Zero Balance Span Tolerance Insulation	9 - 36 Vdc ± 2.0% FSO ± 2.0% FSO 10 M Ohms @ 50 Vdc Pin to Case

* See modifications on Ordering Guide

ORDERING GUIDE

Some options will affect dimensions.
Consult factory if important.

Use the following codes to identify desired item.

MODEL	RANGE	TYPE	OPTIONS	
•	—	•	—	•

Example: 1103-RD-2-CZ/FJ

MODELS

1102 0-5 Vdc
1103 4-20 mA

PRESSURE RANGE

psi

PP 0-15
PT 0-30
PV 0-50
PX 0-75
PZ 0-100
RB 0-150
RD 0-200
RE 0-250
RF 0-300
RH 0-500

PRESSURE TYPE

2 Gauge
6 Sealed Gauge

OPTIONS

ALTERNATE CONNECTOR OR CABLE

AA None
CZ Alternate Cable or Length

ALTERNATE PRESSURE PORT

FJ 1/4 NPT Male
FL 1/8 NPT Male

GENERAL

GA Standardized FSO
GB Alternate Electronic Output
JH Remote Zero & Span Controls
GZ Customer Special

GP:50 reserves the right to make product improvements and amendments to the product specification stated throughout this brochure without prior notification. Please contact the factory on all critical dimensions and specifications for verification.