



Pressure, Level & Temperature Transmitters & Transducers

2770 Long Road, Grand Island, NY 14072 USA

Tel. (716) 773-9300 • Fax (716) 773-5019

sales@gp50.com • www.gp50.com

SUBMERSIBLE LEVEL TRANSMITTER

Models 1102, 1103



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

WIRING:

RED
GREEN
BLACK
SHIELD

1102

+EXC.
+SIGNAL
-EXC.
OPEN

1103

+EXC./SIGNAL
NC
-EXC./SIGNAL
OPEN

Accuracy:

- (Includes Hysteresis, Non-linearity, Non-Repeatability)
- 0.5% (BFSL)

Resolution:

- Infinite (Practical = 0.06% FSO)

Pressure Cavity Material:

- 316 SST and Inconel

Temperature Limits:

- Compensated: 0° F to 180° F
- Operating: -40° F to 180° F
- Storage: -40° F to 250° F

Temperature Compensation:

- Zero & Span: $\pm 2.0\%$ FSO/100°F

Electricals:

- Excitation Voltage:
(Model 1102) 9.0 - 36 Vdc
(Model 1103) 9.0 - 36 Vdc
- Output at 70° F: 0.5 Vdc $\pm 2\%$ FSO
- Zero Balance: $\pm 2.0\%$ FSO
- Span Tolerance: $\pm 2.0\%$ FSO
- Insulation: 10 M Ohms at 50 Vdc Pin to Case

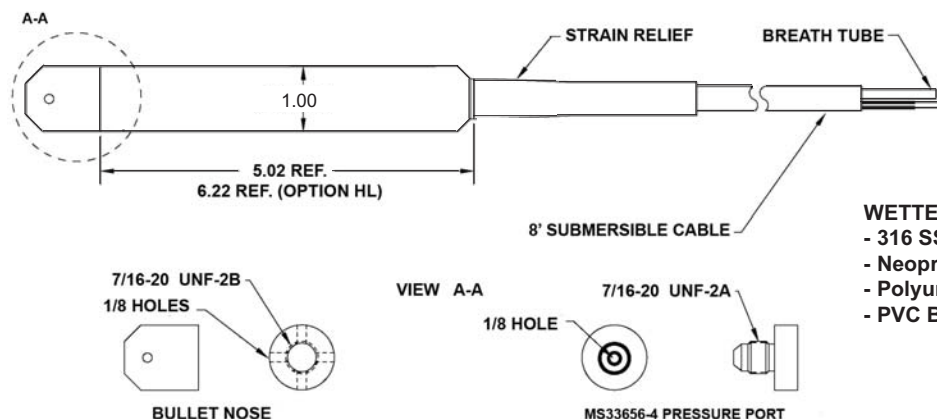
Mechanicals:

- Response Time: 5 ms
- Proof Pressure: 1.5 X Full Scale Output
- Burst Pressure: 3 X Full Scale Output

Connections:

- Pressure: PVC bullet nose
- Electrical Cable: 8' Molded polyurethane jacket, 6 conductor with breather tube.

Some options will affect dimensions. Consult factory if important.



WETTED PARTS:

- 316 SS Housing
- Neoprene Grommet
- Polyurethane Jacketed Cable
- PVC Bullet Nose

A5SL-1100.00 Rev B



Pressure, Level & Temperature Transmitters & Transducers

2770 Long Road, Grand Island, NY 14072 USA

Tel. (716) 773-9300 • Fax (716) 773-5019

sales@gp50.com • www.gp50.com

SUBMERSIBLE LEVEL TRANSMITTER

Models 1102, 1103

Typical configurations (consult factory for more options)

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 TYPES

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

NOTE:

Specifications reflect standard product, improved performance / mechanical options available.

Modifications may alter specs, consult factory for more information.