



TITANIUM SUBMERSIBLE LEVEL TRANSMITTER

Model 313L-NI

FEATURES:

- All welded Titanium Construction
- Rugged, all encapsulated electronics

PRESSURE RANGES:

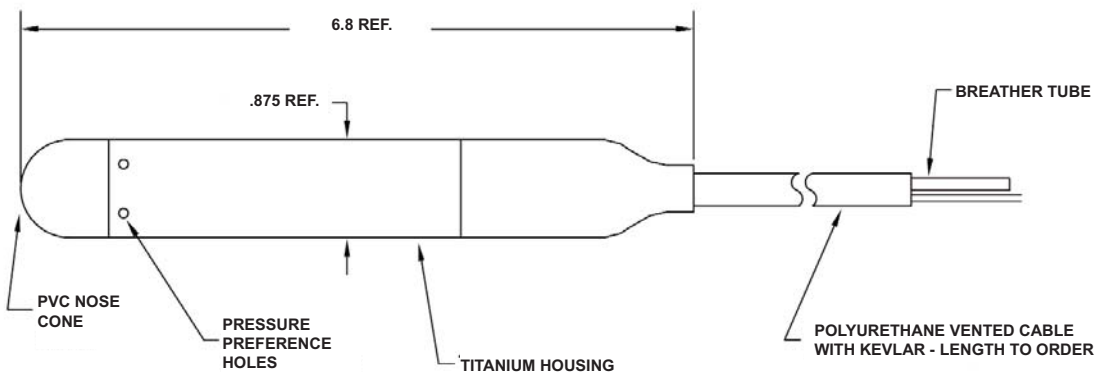
- From 0-1 through 0-300 psig

ACCURACY:

- $\pm 0.25\%$ FSO ($\pm 0.1\%$ optional)



INDUSTRIAL GRADE



Some options will affect dimensions. Consult factory if important.

WIRING CODE

	313L-NI
RED	+ EXC./SIGNAL
GREEN	GND
BLACK	- EXC./SIGNAL
SHIELD	SHIELD

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

A5SL-313L-NI.00 Rev A



Pressure, Level & Temperature Transmitters & Transducers

Specifications reflect standard product, improved performance/mechanical options available. Modifications may alter specs, consult factory for more information.

Accuracy	(Static error band includes non-linearity, hysteresis, non-repeatability) Series C: $\pm 0.2\%$ FSO (RSS) Series D: $\pm 0.1\%$ FSO (RSS)
Temperature Limits*	
Compensated	30°F to +85°F
Operating	-10°F to +175°F
Temperature Compensation*	
Zero	Less than $\pm 2.0\%$ FSO/100°F at full scale pressure range and/or upper range limit
Span	Less than $\pm 2.0\%$ FSO/100°F at full scale pressure range and/or upper range limit
Electricals	
Excitation	12 - 40 Vdc
Zero Balance	4.0mA $\pm 2\%$ FSO at 70°F
Span	16.0mA $\pm 2\%$ FSO at 70°F
Circuit Protection	Short Circuit - Indefinite Reversed Wired - Indefinite
Resolution	Infinite
Mechanicals	
Proof Pressure	2 times rated full scale pressure
Burst Pressure	4 times rated full scale pressure
External Pressure	500 psi maximum
Wetted Parts	Titanium/ceramic and viton (Excludes cable)
Long Term Stability	$\leq +0.5\%$ FSO / year
Cycle Life	1 million pressure cycles
Length	6.75 inches (Excludes cable)
Diameter	1.0 inches
Identification	Etched onto housing
Connections	
Pressure	PVC bullet nose
Electrical Cable	Molded polyurethane jacket, 3 conductor with breather tube, 24 AWG and shield

* See modifications on ordering guide.

ORDERING GUIDE:

Ordering: Specify model, and pressure range and indicate modifications or accessories required. Use the following codes to identify desired item.

MODEL	SERIES	RANGE	OPTIONS
●	—	●	—
			●/●/●

Example: 313L-C-PJ-NI

MODEL

313L 4-20mA

SERIES

C $\pm 0.25\%$ FSO (RSS)
D $\pm 0.1\%$ FSO (RSS)

PRESSURE RANGE

(PSI)

PC 1
PJ 5
PN 10
PP 15
PT 30
PV 50
PZ 100

OPTIONS

NI Titanium Housing
CZ Alternate cable length (specify)
CT Tefzel jacketed cable

2770 Long Road, Grand Island, NY 14072 USA

Tel. (716) 773-9300 Fax (716) 773-5019 E-mail:sales@gp50.com website:www.gp50.com