



LOW PRESSURE TRANSMITTER

Models 210, 310
210X,P 310X,P

FEATURES:

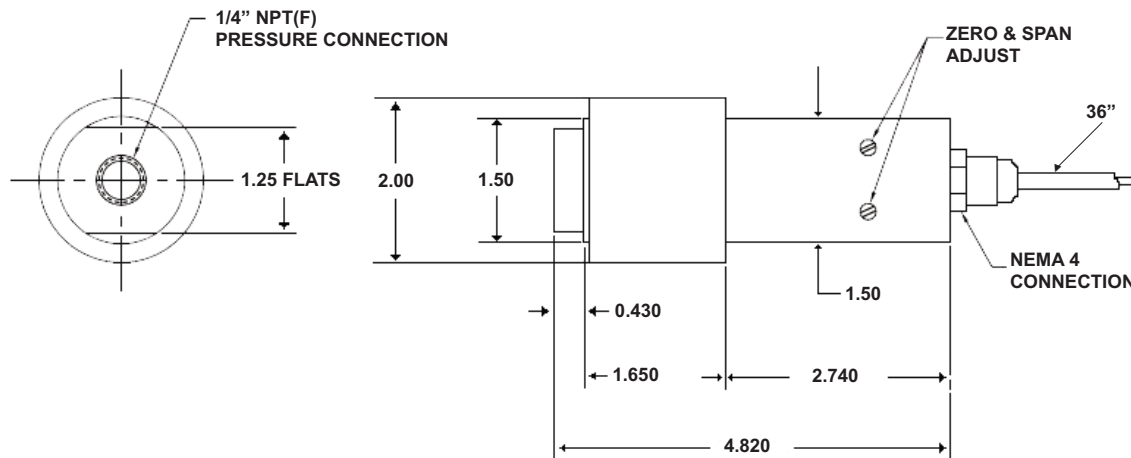
- Wet-wet, gauge pressure measurement
- 500 psi pressure overload
- Type 316 stainless all welded construction
- Approved FM/CSA Explosion proof (Factory sealed conduit seal not required)
- Accuracy to $\pm 0.1\%$ FSO

PRESSURE RANGES:

- From 0-5" wc through 0-200 psi (see ordering guide)



INDUSTRIAL GRADE



Some options will affect dimensions. Consult factory if important.

WIRING CODE

	210	310
A/1 Red	+ Exc.	+ Exc./Signal
B/2 Green	+ Signal	NC
C/3 White	NC	NC
D/4 Black	- Exc./Signal.	- Exc./Signal
E/5 Blue	NC Option GH	NC Option GH
F/6 Brown	NC Option GH	NC Option GH
Shield	Open	Open

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.



Pressure, Level & Temperature Transmitters & Transducers

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

Accuracy (non-linearity, hysteresis, non-repeatability)	Series B (Std.) ±0.5% FSO RSS	Series C ±0.2% FSO RSS	Series D ±0.1% FSO RSS
Wetted Parts*	316 Stainless Steel Pressure Port, Sensor 17-4		
Resolution	Infinite (0.01% practical minimum)		
Temperature Limits			
Compensated	+30°F to +170°F		
Operating	0°F to +185°F		
Storage	-40°F to +200°F		
Temperature Compensation*			
Zero	Less than ±2.0% FSO/100°F		
Span	Less than ±2.0% FSO/100°F		
Orientation Shift			
Zero	±1 in wc maximum		
Electricals	(Model 210)	(Model 310)	
Excitation Voltage	10.2-32 Vdc	13-37 Vdc	
Output at 70°F	0-5 Vdc FSO	4-20 mA FSO	
Output Loading	3000 ohms minimum		
Load Impedance	1200 ohms maximum at 37 Vdc		
Zero Balance	Approximately ±20% FSO adjustment		
Span	Approximately ±20% FSO adjustment		
Mechanicals			
Response Time	<100 milliseconds for 90% FSO at 70°F		
Frequency Response	Flat to 10 HZ		
Proof Pressure	500 psi for all pressure ranges		
Burst Pressure	2000 psi		
Weight	28 oz. nominal		
Connections*			
Pressure	1/4" NPT (F)		
Electrical			
Model 210	6 conductor, 36" long		
Model 310	4 conductor, 36" long		
Enclosure Materials	316 stainless steel		

ORDERING GUIDE: * See modifications on ordering guide.

MODEL	SERIES	RANGE	PRESSURE TYPE	OPTIONS
●	—	●	—	●/●/●

Example: 310-C-WX-2-CA/GH

MODEL

210 0-5 Vdc
310 4-20 mA

APPROVAL

X FM Explosion Proof
P FM/CSA Explosion Proof

SERIES

B 0.5% FSO
C 0.2% FSO
D 0.1% FSO

PRESSURE RANGE

		IN. WC	
WT 5	XF 50	XS 500	
WV 7.5	XH 75	XU 750	
WX 10	XK 100	XW 1000	
WZ 15	XM 150	XY 1500	
XB 20	XO 200	YA 2000	
XD 30	XQ 300	SZ Other	
PSI			
PC 1	PN 10	PV 50	
PE 2	PP 15	PX 75	
PG 3	SZ Other	PZ 100	
PJ 5	PR 20	RB 150	
PL 7.5	PT 30	RD 200	

PRESSURE TYPE

2 Gage **8** Elevated **10** Compound
4 Vacuum **9** Other

OPTIONS

AA None (standard connector with a 36" pigtail)

ALTERNATE CONNECTOR OR CABLE

CA Bendix PTIH-10-6P
CB Bendix CF3102E-14S-6P
CE Terminal Block
CF 1/2" NPT (M) conduit connection with 36" leads
CH NEMA-4X cable, 8' vented polyurethane jacket
CL 1/2" NPT (M) conduit, 2' vented polyurethane jacketed cable
CT Teflon jacketed cable, Tefzel used on submersible units (options CH, CL, CW, DE, GM)
CZ Other

ALTERNATE PRESSURE PORT

FA MS33649-4 (1/4 AND - 10050)
FC 3/8" NPT (F)
FH 1/8" NPT (F)
FJ 1/4" NPT (M)
FZ Other

GENERAL

DE IP-67 (NEMA-6) vented polyurethane cable, neoprene grommet
CW Submersible housing, 8' non-vented polyurethane jacket cable, neoprene grommet, and 1/2" NPT (M) conduit
GE Improved temp. comp. ±0.5% FSO/100°F zero and span respectively
GH Internal calibration resistor 100 ±0.5% FSO unless otherwise specified
GL Cleaning for oxygen service
GM Submersible housing, 8' polyurethane jacket cable, neoprene grommet, and conduit fitting. (Zero/span not available)
GS 0-10 Vdc FSO. (Model 210 Requires 16-42 Vdc excitation)
HL RFI protection
JH Remote cable mounted zero and span controls
GZ Customer special

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