



Description & Features:

- Microprocessor-based high performing transmitter
- Explosion proof smart pressure transmitter for hazardous locations
- Rugged stainless steel construction with silicone sensing technology
- 0.1%, 0.2% or 0.5% accuracy
- Digital HART or Modbus communications available
- cSAUs approved for hazardous locations (up to 6,000 psi)
- 5 NACE compliant for sour gas applications
- Single seal ANSI compliance pending
- CRN registered
- 5 year warranty

Applications:

- Suitable for a variety of hazardous and smart pressure transmitter installations including petrochemical plants, pipelines, fuel transfer systems and power plants
- Any hazardous location requiring high performance pressure monitoring

Specifications

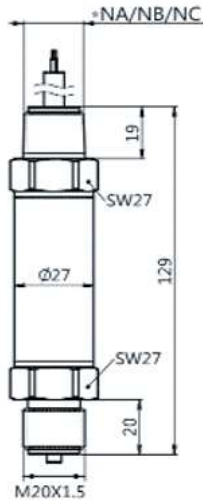
Output Signal	4/20 mA, 2-wire / V = 10-30 VDC 4/20 mA + HART, 2-wire / V = 16.5-55 VDC Modbus-RTU / RS485, 4-wire / V = 9-30 VDC 0.5/4.5 VDC, 3-wire / V = 6-30 VDC 0.5/4.5 VDC, 3-wire ratiometric output / V = 5 VDC
Accuracy	0.2% URL standard, 0.1% and 0.5% optional
Stability	0.1% URL per year
Temperature Ranges	Working temperature: -40/85 deg C, -40/185 deg F Storage temperature: -40/110 deg C, -40/230 deg F Media temperature: Silicone oil filling: -30/80 deg C (-22/176 deg F)
Working Humidity	0-95 %
Pressure Connection	1/4" or 1/2" NPT M, 1/4" or 1/2" G M or M20
Housing	All stainless steel construction including welded seal
Wetted Parts	316L, NACE compliant stainless steel
Overload Pressure	1.5 x rated pressure
Power Consumption	</- 500 mW (20.8 mA output @ 24 VDC)
Vibration	10 g, 25...2,000 Hz
Shock	500 g, 1 ms
Protection Class	EMI, ESD, RFI protection - Surge immunity IEC61000-4-5
Approvals	CSA for USA & Canada (up to 6,000 psi) - Class I Division 1 Group A, B, C & D T6 / Class II Division 1 Group E, F & G T80 deg C / Class III CRN Registered
Protection Class	IP67 standard, IP65 or IP68 optional
Weight	0.95 lbs (0.43 kg)
Operational Life	10 million cycles

Order Codes

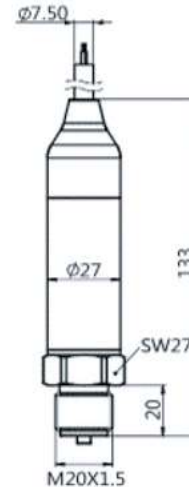
Process Connection		1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Pressure Range	Overload Limit (psi)	4/20 mA		4/20 mA + HART		0.5/4.5 VDC		MODBUS RS485	
-1/0/1 PSI	1.52	LXP011XN4	LXP011XN2	LXP01HXN4	LXP01HXN2	LXP013XN4	LXP013XN2	LXP01RXN4	LXP01RXN2
-3/0/3 PSI	4.35	LXP021XN4	LXP021XN2	LXP02HXN4	LXP02HXN2	LXP023XN4	LXP023XN2	LXP02RXN4	LXP02RXN2
-5/0/5 PSI	7.61	LXP031XN4	LXP031XN2	LXP03HXN4	LXP03HXN2	LXP033XN4	LXP033XN2	LXP03RXN4	LXP03RXN2
-14.5/0/14.5 PSI	21.76	LXP041XN4	LXP041XN2	LXP04HXN4	LXP04HXN2	LXP043XN4	LXP043XN2	LXP04RXN4	LXP04RXN2
-14.5/0/30 PSI	43.50	LXP051XN4	LXP051XN2	LXP05HXN4	LXP05HXN2	LXP053XN4	LXP053XN2	LXP05RXN4	LXP05RXN2
-14.5/0/100 PSI	152.29	LXP061XN4	LXP061XN2	LXP06HXN4	LXP06HXN2	LXP063XN4	LXP063XN2	LXP06RXN4	LXP06RXN2
-14.5/0/145 PSI	217.60	LXP071XN4	LXP071XN2	LXP07HXN4	LXP07HXN2	LXP073XN4	LXP073XN2	LXP07RXN4	LXP07RXN2
-14.5/0/250 PSI	369.80	LXP081XN4	LXP081XN2	LXP08HXN4	LXP08HXN2	LXP083XN4	LXP083XN2	LXP08RXN4	LXP08RXN2
-14.5/0/500 PSI	761.40	LXP091XN4	LXP091XN2	LXP09HXN4	LXP09HXN2	LXP093XN4	LXP093XN2	LXP09RXN4	LXP09RXN2
-14.5/0/1,000 PSI	1,522.90	LXP101XN4	LXP101XN2	LXP10HXN4	LXP10HXN2	LXP103XN4	LXP103XN2	LXP10RXN4	LXP10RXN2
-14.5/0/2,500 PSI	3,698.50	LXP111XN4	LXP111XN2	LXP11HXN4	LXP11HXN2	LXP113XN4	LXP113XN2	LXP11RXN4	LXP11RXN2
-14.5/0/5,000 PSI	7,614.50	LXP121XN4	LXP121XN2	LXP12HXN4	LXP12HXN2	LXP123XN4	LXP123XN2	LXP12RXN4	LXP12RXN2
-14.5/0/6,000 PSI	8,702.30	LXP131XN4	LXP131XN2	LXP13HXN4	LXP13HXN2	LXP133XN4	LXP133XN2	LXP13RXN4	LXP13RXN2
-14.5/0/8,700 PSI	13,053.40	LXP141XN4	LXP141XN2	LXP14HXN4	LXP14HXN2	LXP143XN4	LXP143XN2	LXP14RXN4	LXP14RXN2
-14.5/0/10,000 PSI	15,229.00	LXP151XN4	LXP151XN2	LXP15HXN4	LXP15HXN2	LXP153XN4	LXP153XN2	LXP15RXN4	LXP15RXN2
-14.5/0/14,500 PSI	21,755.70	LXP161XN4	LXP161XN2	LXP16HXN4	LXP16HXN2	LXP163XN4	LXP163XN2	LXP16RXN4	LXP16RXN2

Dimensions (mm)

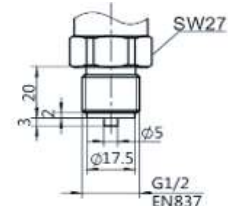
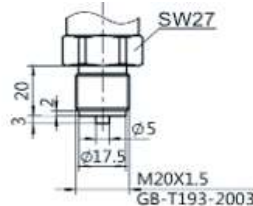
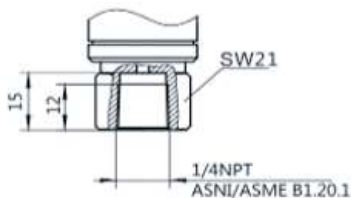
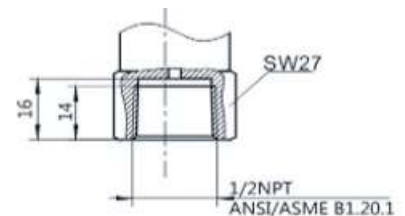
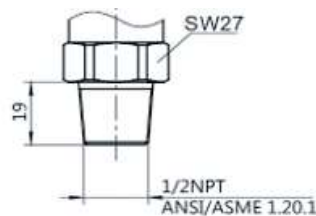
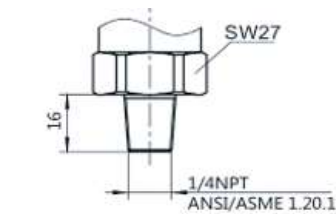
Explosion Proof Version



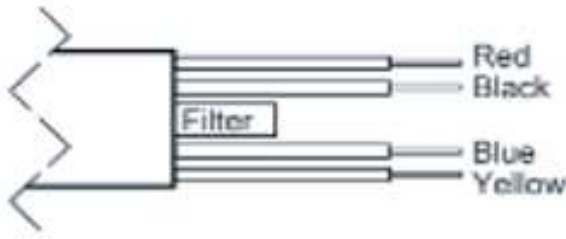
Water Proof Version



Process Connections



Pin Configurations



Label	Two wires	Three wires	Four wires	Modbus-RTU/RS485
Red	Power +	Power +	Power +	Power +
Black	Power -	Power -	Power -	Power -
Blue		signal +	Signal +	A +
Yellow			Signal -	B -

Label	Two Wires	Three Wires	Four Wires	Modbus - RTU/RS485
Red	Power +	Power +	Power +	Power +
Black	Power -	Power -	Power -	Power -
Blue		Signal +	Signal +	A +
Yellow			Signal -	B -

Series Number (how to order)

LXP ENGINEERED PART NUMBER		L	X	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OUTPUT	4...20 mA / 2-wire				1																
	4...20 mA / 2-wire + HART				H																
	Modbus-RTU / RS485, 4-wire				R																
	0.5...4.5 V, 3-wire				3																
	0.5...4.5 V, 3-wire, ratiometric output				4																
SERIES PRESSURE RANGE (PSI)	-1/0/1, smallest calibration span 0.7							P	0	1											
	-3/0/3, smallest calibration span 1.5							P	0	2											
	-5/0/5, smallest calibration span 3.0							P	0	3											
	-14.5/0/14.5, smallest calibration span 5.1							P	0	4											
	-14.5/0/30, smallest calibration span 14.5							P	0	5											
	-14.5/0/100, smallest calibration span 29.0							P	0	6											
	-14.5/0/145, smallest calibration span 72.5							P	0	7											
	-14.5/0/250, smallest calibration span 145							P	0	8											
	-14.5/0/500, smallest calibration span 247							P	0	9											
	-14.5/0/1,000, smallest calibration span 508							P	1	0											
	-14.5/0/2,500, smallest calibration span 1,015							P	1	1											
	-14.5/0/5,000, smallest calibration span 2,466							P	1	2											
	-14.5/0/6,000, smallest calibration span 2,901							P	1	3											
	-14.5/0/8,700, smallest calibration span 4,351 (CSA not available)							P	1	4											
	-14.5/0/10,000, smallest calibration span 5,076 (CSA not available)							P	1	5											
	-14.5/0/14,500, smallest calibration span 7,252 (CSA not available)							P	1	6											
	Custom Pressure Range (Numbers from P01 to P99)							P	X	X											
PRESSURE	Gauge (standard)										G										
	Absolute (<1,450 psi only)										A										
ACCURACY	0.2% (standard)												2								
	0.10%												1								
	0.50%												5								
ELECTRICAL CONNECTION	Flame proof G 1/2 M, cable diameter 7.5mm, IP67													E	1						
	Flame proof M20 x 1.5 M, cable diameter 7.5mm, IP67													E	2						
	Flame proof 1/2" NPT M, cable diameter 7.5mm, IP67 (standard)													E	3						
	Water proof connector M16 x 1.5, copper braided zinc material, cable diameter 6-8mm, IP65													E	4						
	Stainless steel water proof connector, cable diameter 7.5mm, IP68													E	5						
PROCESS CONNECTION	1/4" NPT M															N	4				
	1/2" NPT M															N	2				
	1/4" NPT F															F	4				
	1/2" NPT F															F	2				
	G 1/4" M, EN837															G	4				
	G 1/2" M, EN837															G	2				
	G 1/4" M, ISO228 DIN16288															D	4				
	M20 * 1.5 M, ISO261															M	2				
SEALS	Welded (standard)																	W			
PRESSURE PORT	304 SS																			4	
	316 SS (standard)																			6	
DIAPHRAGM MATERIAL	316 SS (standard)																			6	
SPECIAL	Cable Length, metres (2m is standard length), PUR, per metre																				U X X
	Cable Length, metres, PVC																				V X X
	Custom Range																				R X X
																					R10=ATM, R11=bar, R12=mbar, R13=MPa, R14=mH2O, R15=mmH2O, R16=Pa
	Customer Specific (Numbers from Z01 to Z99)																				Z # #