



Transducer Features

- 0.5% Full scale accuracy
- Voltage or current output
- Superior long term stability and reliability
- 1-year warranty
- NIST certification included with 0.5% unit, 1.0% optional

The K1 transmitter offers the benefits of polysilicon thin film performance at affordable prices. Using chemical vapor deposition methods polysilicon strain gages are molecularly bonded to a metal diaphragm. This sensor, combined with the latest surface mount electronics promote superior performance in a durable package. The K1 is designed for use in many demanding OEM applications including air compressors and refrigeration controls, hydraulic controls and other industrial control applications.

Indicator Features

- Easy field scaling in engineering units
- Built-in regulated 24VDC loop power supply
- Switch selection of input range: 4-20 mA, 0-5VDC, 0-10VDC, -10 to +10VDC
- Extra zero for display of 19,990

TRANSMITTER SPECIFICATIONS

Accuracy Class (F.S.)	0.5%	1.0%	
Non-Linear (Term. Pt.)* (B.F.S.L.)*	± 0.4%	± 0.7%	
Hysteresis	± 0.25%	± 0.4%	
Non-Repeatability	± 0.15±	± 0.2%	
	± 0.05%	± 0.2%	
*Including hysteresis			
Overpressure (F.S.)	0/15-0/2000	0/3000-0/5000	0/7500-20,000
Proof	200%	150%	120%
Burst	800%	300%	150%
Response Time	Less than 1 ms		
Temperature			
Operating	-20/+180°F		
Compensated	-20/+160°F		
Thermal Coefficients (68°F ref.) Standard			
	0.5%	1%	
Zero	± 0.028% F.S./°F	± 0.04% F.S./°F	
Span	± 0.028	± 0.04	
Materials			
Case	304 series stainless steel		
Cable	36" braided shield, PVC sheathing		
Diaphragm	17-4 PH stainless steel		
Power Requirements	10-30 VDC Unregulated, Reverse polarity protected		
Supply Current	Less than 3. mA for voltage output		
Output Impedance	100Ω		
INDICATOR SPECIFICATIONS			
Accuracy	0.1% of span		
LED	0.56" high		
Inputs	Selectable 4-20mA; 1-5VDC; 1-6VDC and 1-11VDC		

ORDERING INFORMATION

Range	Acc. FS	Cat. No.	Price	Acc. FS	Cat. No.
30" Hg. Vac.	1%	ASK17420	\$262.00		
15 PSIG	1%	ASK174215	247.00		
30 PSIG	1%	ASK174230	247.00		
60 PSIG	1%	ASK174260	237.00		
100 PSIG	1%	ASK1742100	237.00	0.5%	ASK1542100
150 PSIG		ASK1742150	237.00	0.5%	ASK1542150
200 PSIG		ASK1742200	237.00	0.5%	ASK1542200
300 PSIG		ASK1742300	237.00	0.5%	ASK1542300
500 PSIG		ASK1742500	237.00	0.5%	ASK1542500
750 PSIG		ASK1742750	237.00	0.5%	ASK1542750
1000 PSIG		ASK171000	237.00	0.5%	ASK151000
2000 PSIG		ASK172000	237.00	0.5%	ASK152000
3000 PSIG		ASK173000	237.00	0.5%	ASK153000
5000 PSIG		ASK175000	237.00	0.5%	ASK155000
7500 PSIG	1%	ASK157500	300.00		
10,000* PSIG	1%	ASK174210K	272.00		
15,000* PSIG	1%	ASK174215K	282.00		
20,000* PSIG	1%	ASK174220K	282.00		
30" Hg./15 PSIG	1%	ASK174215V	262.00		
30" Hg./30 PSIG	1%	ASK174230V	262.00		
30" Hg./45 PSIG	1%	ASK174245V	262.00		
30" Hg./60 PSIG	1%	ASK174260V	262.00		
Standard output 4-20mA, connection 1/4" NPTM, 36" cable shielded PVC 24 AWG.					
* Connection 9/16-Aminco (Female)					