

Exclusive KX features

- ▶ Available in an assortment of electrical and 316 SS process connections:
 - PMC
 - 1/2 NPT Male
 - Metric G-1/2
 - O-ring seal
- ▶ NEMA 4X enclosure
- ▶ Polysilicon sensing element provides:
 - Stable output/no drift
 - Unaffected by vibration, shock or pulsation
 - Low noise/high output
 - Performance is directly traceable to NIST

Model KX Flush Mount Pressure Transducer

Specifically designed for severe pulp and paper applications! Generally designed for all heavy-medium pumping processes



PERFORMANCE CHARACTERISTICS

	TERM. POINT	B.F.S.L.
Accuracy Class (F.S.)	±1.0%	±0.6%
Including:		
Nonlinearity	±0.7%	±0.4%
Hysteresis	±0.1%	±0.2%
Nonrepeatability	±0.1%	±0.1%
Standard Ranges (psi):		
0/100	0/500	0/3000
0/150	0/750	0/5000
0/200	0/1000	
0/300	0/2000	

Consult factory for nonstandard ranges

ENVIRONMENTAL CHARACTERISTICS

Temperature Limits:

Storage	-65/+250°F
Operating	-20/+180°F
Compensated	-20/+160°F

Thermal Coefficients (68°F ref.):

Zero	±0.04% F.S./°F
Span	±0.04% F.S./°F

Humidity: No performance effect at 95% relative humidity – non-condensing

FUNCTIONAL CHARACTERISTICS

Overpressure (F.S.):

	Proof	Burst
0/100 -0/2000	200%	800%
0/3000-0/5000	150%	300%

Vibration Sweep: Less than ±0.1% F.S. effect for 0-400 Hz at 20g's in any axis

Shock: Less than ±0.1% F.S. effect for 20g's 20ms shock in any axis

Position Effect: Less than ±0.01% F.S.

ELECTRICAL SPECIFICATIONS

Output Signal:

4-20mA (2 wire)
1-5 Vdc (3 wire)
1-6 Vdc (3 wire)

Power Requirements: 10-36 Vdc unregulated

Zero Offset: ±1.0% F.S.

Supply Current: Less than 3mA for voltage output

Circuit to Case Insulation Resistance: 100M ohms @ 50 Vdc

PHYSICAL CHARACTERISTICS

Enclosure: NEMA 4X

Standard Pressure Connections:

G-½ metric pipe thread*

O-ring seal (max 150 psi)

½ NPT male pipe thread

*used in conjunction with XWE screw-on adapters.

Weldnut options listed below.

Case: 300 series stainless steel

Connection: 316 stainless steel

Cable: No. 24 AWG, 36" PVC, shielded, vented, UL approved.

Diaphragm: 316Ti stainless steel

Weight: 10 oz. (approx. without cable)

OPTIONS

Flush Weldnut: (XWB)

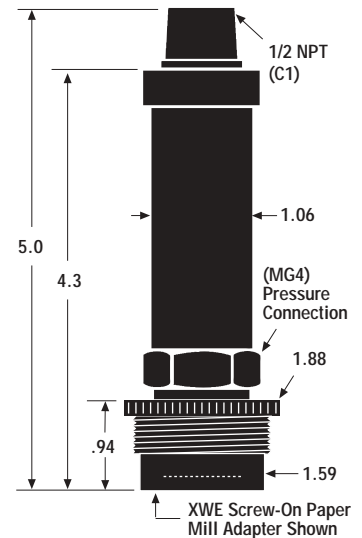
Recessed Weldnut: (XWC)

Weldnut Plug: (XWD) for XWB and XWC

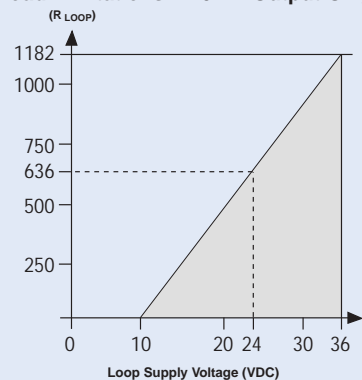
Paper Mill Adapter: (XWE)

Halocarbon Fill: (XWG)

DIMENSIONS



Load Limitations 4-20mA Output Only



Instruments

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How To Order

