Model KS Sanitary Pressure Transmitter

SASHCROFT®

The Ashcroft trade name has been synonymous with pressure for over 150 years. Since 1987, the Transducer Operation of Dresser Instrument Division has been manufacturing quality industrial pressure transducers serving a multitude of markets. Whatever your application, we have the technology to provide either standard or customized designs to fit your requirements.

Each pressure transducer is 100% tested and calibrated in our ISO-9001 certified facility in Milford, Connecticut. The commitment of our engineering staff, direct sales force and distribution network ensure that the service and application expertise you need to maintain safety and performance in your application is always available when and where you need it.

The people of Dresser Instrument Division are here to provide the best quality products and service best suited to our customer's needs.



The KS sanitary pressure transmitter combines a proven thin film sensor technology and 3A standards for sanitary applications.

- Dairy
- Food processing
- Pharmaceutical
- Biotech







Model KS Pressure Transducer/Transmitter



PERFORMANCE CHARACTERISTICS

 Accuracy Class (F.S.):
 1.0%

 Nonlinearity
 ±0.7%

 Terminal Point*
 ±0.7%

 B.F.S.L.
 ±0.4%

 Hysteresis
 ±0.2%

 Nonrepeatability
 ±0.07%

*Including hysteresis
Standard Ranges (psi):

0/30*† 0/300† Vac/30† 0/60*† 0/500 Vac/60† 0/100† 0/750 Vac/100†

0/150† 0/1000

0/200†

Consult factory for non-standard ranges.

*T/C multiply by 1.5 times

†NEMA 4X only with F2 and C1 electrical connections.

Stability: ±1% F.S./year

Durability: 10^7 cycles 20/80% F.S. with

negligible performance change **Response Time:** Less than 5m sec.

ENVIRONMENTAL SPECIFICATIONS

Temperature Limits:

Storage -65/+250°F
Operating -20/+180°F
Compensated +30/+130°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-noncondensing

FUNCTIONAL SPECIFICATIONS

Overpressure (F.S.):

Proof 200% Burst 800% **Vibration Sweep:**

Less than ±0.1% F.S. effect for 0-2000 Hz at

20 g's in any axis

Shock: Less than ±0.05% F.S. effect for 100 g's, 20 ms shock in any axis **Position Effect:** Less than 0.1% F.S.

ELECTRICAL SPECIFICATIONS

 Output Signal:
 Supply Voltage:

 4-20mA (2 wire)
 10-36 Vdc

 1-5 Vdc (3 wire)
 10-36 Vdc

2mV/V ratiometric 5-10 Vdc regulated 5-10 Vdc regulated 5-10 Vdc regulated 5-10 Vdc regulated 5-10 Vdc regulated

10-36 Vdc

5-10 Vdc regulated

Reverse polarity protected

Supply Current: Less than 3mA for voltage

output

Circuit to Case Insulation Resistance:

100 M ohms @ 50 Vdc

1-6 Vdc (3 wire)

20mV/V ratiometric

PHYSICAL SPECIFICATIONS

Standard Process Connections:

(316L stainless steel) Tri-Clamp® style 1½". 2".

Enclosure: NEMA 4X, (NEMA 1 only if <500 psig and electrical termination is Bendix® or

Hirschmann®).

Case: 300 series stainless steel Cable: No. 24 AWG, 36" PVC, shielded,

vented, UL approved.

Diaphragm: 316L stainless steel electro-

polished

Fill: USP grade 99.5% glycerin fill, contact

factory for other fill fluids.

Weight: 13.5 oz. (approx. without cable)

Consult factory for pricing, availability and required minimums for non-standard products.

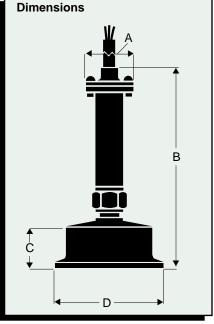
WARNING! Sensitive diaphragm! Do not touch! Remove protective-cap just before installation!

 ${\sf Bendix}^{\otimes} \text{ is registered trademark of Amphenol Corp.}$

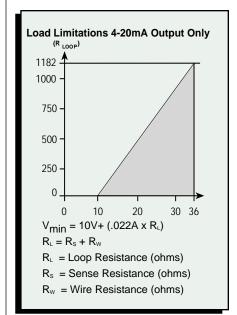
Hirschmann® is registered trademark of Richard Hirschmann of America Inc.

of America Inc.

Tri-Clamp® is a registered trademark of Tri-Clover, Inc.



MODEL	Α	В	С	D
S15	0.8	4.7	0.9	2.0
S20	0.8	4.7	0.9	2.5





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