Data Sheet



KM41, KM45 OEM Pressure Transducers

FEATURES

- Broad temperature capability
- All-welded stainless steel pressure construction
- Stainless steel housing
- High EMI/RFI rating
- Ranges vacuum through 20,000 psi
- IP67 Ingress rating (IP69K available)
- Wide selection of electrical and process connections available
- Customizable configurations

APPLICATIONS

- Off-Road equipment
- Construction machinery
- Compressor control
- Pump monitoring
- Agricultural/irrigation equipment
- Railroad/Transportation
- **Engine monitoring**
- Process automation & controls
- Hydraulic and pneumatic sensing



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SPECIFICATIO	N2	
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 $\pm 0.5\%$ of span, $\pm 0.25\%$ of span (OPT.) Accuracy:

Terminal Point Including Zero & Span Offset) at refer

Stability: <±(**Durability:**

Humidity: 0 to 100% R.H., no effect

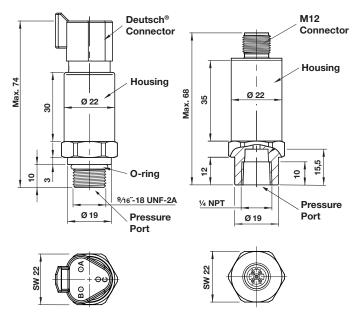
reminal Point including Zero & Span Offset) at refer-
ence temperature 21 °C (72 °F)
Total Error Band: Includes combined effects of
temperature with Terminal Point, including zero & span
offset errors
±1.5% of span: From -4 °F to 185 °F (-20 °C to 85 °C)
±2.0% of span: From -40 °F to -4 °F (-40 °C to -20 °C)
$\pm 2.0\%$ of span: From 185 °F to 221 °F (85 °C to 105 °C)
<±0.25% of span per year
>10,000,000 cycles

WETTED (COMPONENTS	
Model	Sensor	Process Connection Materials
KM41	17-4 PH® SS	304 SS
KM45	316L SS	316L SS

OUTPUT SIGNALS AVAILABLE			
Voltage Output	Excitation	Supply Current	
0-5 Vdc, 3 wire	9-36 Vdc	5 mA	
0-10 Vdc, 3 wire	14-36 Vdc	5 mA	
1-5 Vdc, 3 wire	9-36 Vdc	4 mA	
1-6 Vdc, 3 wire	9-36 Vdc	4 mA	
0.5-4.5 Vdc 3 wire	9-36 Vdc	4 mA	
Ratiometric Output			
0.5-4.5 Vdc, 3 wire	5 ±0.5 Vdc	3.5 mA	
Current Output			
4-20 mA, 2 wire	9-36 Vdc		
Response Time:	< 1 msec		

MIN/MAX TEMPERATURE LIMITS					
Compensated	Process	Operating	Storage		
-40 °F to 221 °F (-40 °C to 105 °C)	-40 °F to 257 °F (-40 °C to 125 °C)	-40 °F to 257 °F (-40 °C to 125 °C)	-40 °F to 257 °F (-40 °C to 125 °C)		
DIMENSIONS					

For reference only, consult Ashcroft for specific dimensional drawings



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