# **Specification 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



Model

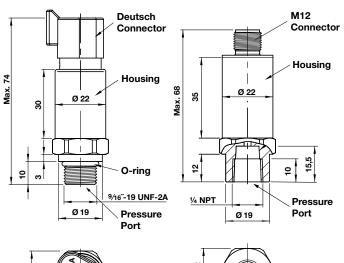
Sensor

SPECIFICATIONS						
Accuracy:	±0.5% of span, ±0.25% of span (OPT.)  Terminal Point Including Zero & Span Offset) at reference 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)  ±2.0% of span: From -185°F to -221°F (85°C to 105°C)					
Stability:	<±0.25% of span per year					
Durability:	>10,000,000 cycles					
Humidity:	0 to 100% R.H., no effect					
WETTED COMPONENTS						

KM41 KM45	17-4PH SS 316L SS			304 SS 316L SS	
OUTPUT SIGNALS AVAILABLE					
Voltage Outp	out	Excitation		Supply Current	
0-5 Vdc, 3 w 0-10 Vdc, 3 v 1-5 Vdc, 3 w 1-6 Vdc, 3 w 0.5-4.5 Vdc 3	vire vire vire	9-36 Vdc 14-36 Vdc 9-36 Vdc 9-36 Vdc 9-36 Vdc		5 mA 5 mA 4 mA 4 mA 4 mA	
Ratiometric Ou	utput				
0.5-4.5 Vdc, 3	wire	5 ±0.5 Vdc		3.5 mA	
Current Outp	out				
4-20mA, 2 w	/ire	9-36 Vdc			
Response Time	:	< 1msec			

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





**Process Connection Materials**