

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



KM41, KM45 OEM
Pressure Transducer



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

Model	Sensor	Process Connection Materials
KM41	17-4PH 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		
4-20mA, 2 wire	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

