

Heavy Industrial & Hazardous Locations Pressure Transmitters



- Choice of 1.0, 0.5 or 0.25% accuracy (% span)
- Pressure ranges from 5 psi through 10,000 psi
- CE mark is standard
- 17-4 pH and 316L SS sensors available
- 304 SS case in standard, welded or explosion proof construction
- Designed for heavy industrial and hazardous location applications
- Durable
- Provides considerable specification flexibility in terms of performance, construction and optional features
- Optional absolute pressure ranges available
- Available externally adjustable zero and span access
- FM, UL, CSA and ATEX listings available

SPECIFICATIONS

Reference temperature 68 F (20 C)

Accuracy Class (% Span)		0.25%	0.5%	1.0%
Nonlinearity	Terminal Point	≤0.15	≤0.25	≤0.50
	BFSL	≤0.10	≤0.20	≤0.30
	Hysteresis*	≤0.05	≤0.10	≤0.10
	Nonrepeatability	≤0.05	≤0.05	≤0.05

*Hysteresis 0.10 for pressure range 5000 psi and above

Stability Sensor Material 316L SS: 0.1% FS/year Sensor Material 17-4PH: Less than 0.5% FS/year

Durability Greater than 10 million cycles (for standard 17-4 PH sensors)

Response Time Less than 2 ms

Case Material 304SS

Ingress Protection Rating

Enclosure	Rating
Basic	(IP65, NEMA-4X)
Zero/Span	(IP65, NEMA-4X)
All Welded (w/Z/S)	(IP65, NEMA-4X)
Explosion Proof	(IP65, NEMA 7,9)

Environmental Specifications

Temperature Limits	Process	-40 to +125 C (-40 to 257 F)
	Storage	-40 to +125 C (-40 to 257 F)
	Standard Compensation	-20 to +85 C (-4 to 185 F)

Temperature Effect

Accuracy Class		0.25%	0.5%	1.0%
Std Comp %/105 C	Zero (% Span)	≤0.5	≤1.0	≤1.0
	Span (% Reading)	≤0.5	≤1.0	≤1.0

Humidity Effects No performance effects from 0-95% relative humidity, non-condensing

Vibration Effect Shock: 100g Peak, 11 ms Random: 10g RMS, 20-2000 Hz Sweep: 50-2000 Hz, 5g peak

Position Effect ≤0.02% Typical

Functional Specifications

Ranges Vacuum, compound and pressure from 0-5 psi through 0-10,000. Equivalent ranges in bar available.

Sensors 17-4 pH SS standard; 316L is also available

Pressure Reference Gauge reference is standard; absolute reference optional

Outputs Choose from 1-5Vdc, 1-6Vdc, 4-20mA

CE Mark (Standard) EN 61326: 1977 + A1: 1998 Annex A Heavy Industrial Immunity (Annex A, Table A1) Light Industrial/Residential Emission (Table 4)

Catalog No. Description

ASK2A005	A2 Pressure Transducer, All welded enclosure Zero and Span Adjust, 1/4" NPT, 0.25% Accuracy, 4-20mA Output, Pigtail Cable, 0-5 PSI
ASK2A015	A2 Pressure Transducer, All welded enclosure Zero and Span Adjust, 1/4" NPT, 0.25% Accuracy, 4-20mA Output, Pigtail Cable, 0-15 PSI
ASK2A030	A2 Pressure Transducer, All welded enclosure Zero and Span Adjust, 1/4" NPT, 0.25% Accuracy, 4-20mA Output, Pigtail Cable, 0-30 PSI
ASK2A060	A2 Pressure Transducer, All welded enclosure Zero and Span Adjust, 1/4" NPT, 0.25% Accuracy, 4-20mA Output, Pigtail Cable, 0-60 PSI
ASK2A100	A2 Pressure Transducer, All welded enclosure Zero and Span Adjust, 1/4" NPT, 0.25% Accuracy, 4-20mA Output, Pigtail Cable, 0-100 PSI
ASK2A200	A2 Pressure Transducer, All welded enclosure Zero and Span Adjust, 1/4" NPT, 0.25% Accuracy, 4-20mA Output, Pigtail Cable, 0-200 PSI
ASK2A1000	A2 Pressure Transducer, All welded enclosure Zero and Span Adjust, 1/4" NPT, 0.25% Accuracy, 4-20mA Output, Pigtail Cable, 0-1000 PSI

Note: Additional Ranges Available. Additional Accuracies Available; 0.5% or 1%. Additional Output Signals Available; 0-5vdc, 0-10vdc, 1-5vdc, 1-6vdc.