



Series 443 (0-5 V)
Series 445 (4-20 mA)
Series 446 (0-10 V)



Shown with Option E

Standard Features:

- Intrinsically Safe
- Welded Stainless Steel Construction
- NEMA 4X Enclosure Rating
- UL & C-UL Listed
 - Class I, Division I, Groups A, B, C & D
 - Class II, Division I, Groups E, F & G
- EMI, ESD & RFI Protection
- Stable, Diffused Silicon Sensor
- Surface Mounted Conformal Coated Circuit
- Built-In High Pressure Snubber
- 0.25% Accuracy

Performance Characteristics:

- Accuracy (LH & R):** ±0.25% FSO
Repeatability: ±0.15%
Typical Life: 100 million cycles
Proof Pressure: 2X rated pressure or 13,000 PSI (884 bar), whichever is less
Warranty: 3 years

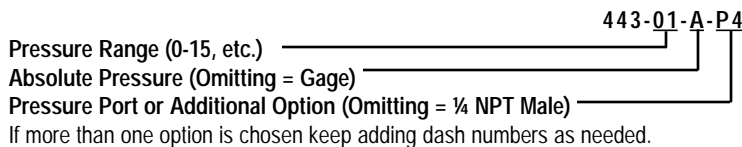
Excitation Voltage:

- 443:** 9 to 30 VDC
445: 12-28 VDC (See sales drawing)
446: 14 to 30 VDC

Output Signal:

- 443:** 0.5 to 5.5 VDC (standard)
445: 4-20 mA
446: 1 to 11 VDC (standard)

Transducer Nomenclature



Transducer Dash Number	Pressure Range (PSIG)	Pressure Range (PSIA)
-23	0-29.9" Hg	
-01	0 - 15	0 - 15
-03	0 - 50	0 - 50
-22	0 - 60	0 - 60
-04	0 - 100	0 - 100
-05	0 - 150	0 - 150
-06	0 - 200	0 - 200
-07	0 - 300	0 - 300
-08	0 - 500	
-10	0 - 1,000	
-12	0 - 2,000	
-13	0 - 3,000	
-14	0 - 4,000	
-15	0 - 5,000	
-16	0 - 6,000	
-17	0 - 7,500	
-18	0 - 10,000	

* Refer to sales drawing for additional pressure ranges

Physical

- Wetted Material:** 300 & 17-4 PH Series Stainless Steel
Enclosure: NEMA 4X, 300 Series Stainless Steel
Pressure Connection: 1/4-18 NPT male (standard)
Electrical Connection:
- H3: Shielded cable (1 m long)
 - H5: ½-14 NPT male w/ 1 meter shielded & jacketed cable
 - H6: Shielded SO Type cord (1 m long)
 - T4: 12 mm DIN connector (mating plug not supplied)
 - T5: Type 43650 DIN connector

Pressure Snubber: 2000 PSI and above (standard)

Environmental

- Operating Temp:** -40°F to +185°F (-40°C to +85°C)
Compensated Temp: -40°F to +160°F (-40°C to +71°C)
Temperature Shift: (Zero & Span) ±0.01% per °F over compensated temperature range

Standard Options

- A Absolute Pressure
- E External zero and span adjustment
- P1 7/16-20 UNF female pressure connection
- P3 7/16-20 UNF male pressure connection
- P4 1/2-14 NPT male pressure connection
- P5 1/2-14 NPT female pressure connection
- P6 1/4-18 NPT female pressure connection
- P7 1/8-27 NPT male pressure connection
- WXX non-standard cable length (XX indicates length in inches)
- ZXXY non-standard calibrated pressure range (XX=Significant Digits, Y=Number of Zeros)
- Z10 1.0 to 5.0 VDC output (for 443 Series only)
- Z11 1.0 to 6.0 VDC output (for 443 Series only)
- Z12 0.5 to 4.5 VDC output (for 443 Series only)
- Z16 0.2 to 10.0 VDC output (for 446 Series only)

*Definitions are in accordance with ANSI/ISA S37.1-75