

Models 434/435/437 Wing Union / Hammer Union Pressure Sensors

Product Nomenclature



For example, a **BP435EJ,6,1AC,2AK,3D,6Z, 7AD,10E** part number would define a Model 435 Wing Union Pressure Sensor, 15000 psi, ±0.2 %FSS accuracy, -40 °C to 85 °C [-40 °F to 185 °F] temperature compensation, 4 mA to 20 mA two-wire intrinsically safe, one-wire shunt calibration, MS compatible, 4-pin connector, Inconel® X-750 wetted diaphragm.

BP435	EJ	6	1AC	2AK	3D	6Z	7AD		10E	
Pressure Type	Pressure Range (Gauge)	Accuracy	Temperature Compensation	Internal Amplifiers	Amplifier Enhancements ³	Electrical Termination	Wiring Options ⁴	Calibration Options	Material Type	Protective Cage
BP434	DR 5000 psi	5 ±0.1 % FSS ²	1AC -40 °C to 85 °C [-40 °F to 185 °F]	2AK 4 mA to 20 mA, two wire, intrinsically safe	None	6A Bendix PT, 6 -pin, PTIH-10-6P	7AD 4-Pin Standard A: N/C or Shunt Cal.; B: + Output C: + Supply; D: Case Ground	5-point calibration	10E Inconel® X-750 wetted diaphragm	None
BP435	DS 6000 psi	6 ±0.2 % FSS			3D One-wire shunt calibration	6Z MS Series compatible 4-pin, 32A-14S-2P-10-M2	7AE 4-Pin Jupiter 1: N/C or Shunt Cal. 2: Case Ground; 3: + Output 4: + Supply	9A Special cal., 10 point	10J Inconel® 718 wetted diaphragm (NACE Compliant)	45E Protective cage ⁵
BP437	DV 10000 psi				3J Two-wire shunt calibration	6BF Jupiter M Series 4-pin	7AF 6-Pin Standard A: + Supply; B: + Output C: N/C; D: Case Ground E: N/C; F: N/C or Shunt Cal.	9B Special cal., 20 point		
	EJ 15000 psi				3H 4 mA to 16 mA for 0 to 15000 psi (EL) or 0 to 1012 bar (NU) with over-range up to 20 mA, no shunt calibration	6BG Jupiter M Series, 7-pin	7AG 7-Pin Jupiter 1: N/C; 2: Case Ground; 3: N/C 4: + Supply; 5: + Output 6: N/C; 7: N/C or Shunt Cal.			
	EL 20000 psi ¹				3HJ 4 mA to 16 mA for 0 to 15000 psi (EL) or 0 to 1012 bar (NU) with over-range up to 20 mA, two-wire shunt calibration	6BH Rota B-Series, 4-pin	7AH 6-Pin w/2-wire shunt A: + Supply; B: + Output; C: N/C D: Case Ground; E: + Shunt Cal. F: - Shunt Cal.			
	NG 350 bar						7AN 4-Pin Rota B: N/C or Shunt Cal. C: Case Ground; E: + Output F: + Supply			
	NN 400 bar						7AP 7-Pin Jupiter w/2-wire shunt 1: N/C; 2: Case Ground; 3: N/C 4: + Supply; 5: + Output 6: + Shunt Cal.; G: - Shunt Cal.			
	NH 700 bar									
	MN 1000 bar									
	NU 1350 bar ¹									

Notes:

¹ Working pressure and approval limited for Models 435/437 to 15000 psi. Amplifier will allow overpressure readings to 20000 psi (for 435/437 only).

² ±0.1 % FSS accuracy available on Model 435 only.

³ 3D and 3J are available with all pressure ranges except EL and NU. 3H and 3HJ are available only with pressure ranges EL and NU (for 435/437 only, 3H and 3HJ are not available for 434).

⁴ Wiring option availability varies with electrical termination.

Option 7AD available only with Option 6Z

Option 7AE available only with Option 6BF

Option 7AF and 7AH available only with Option 6A

Option 7AG and 7AP available only with Option 6BG

Option 7AN available only with Option 6BH

Other wiring options available upon request.

⁵ Protective cage available only with electrical terminations 6A and 6Z.