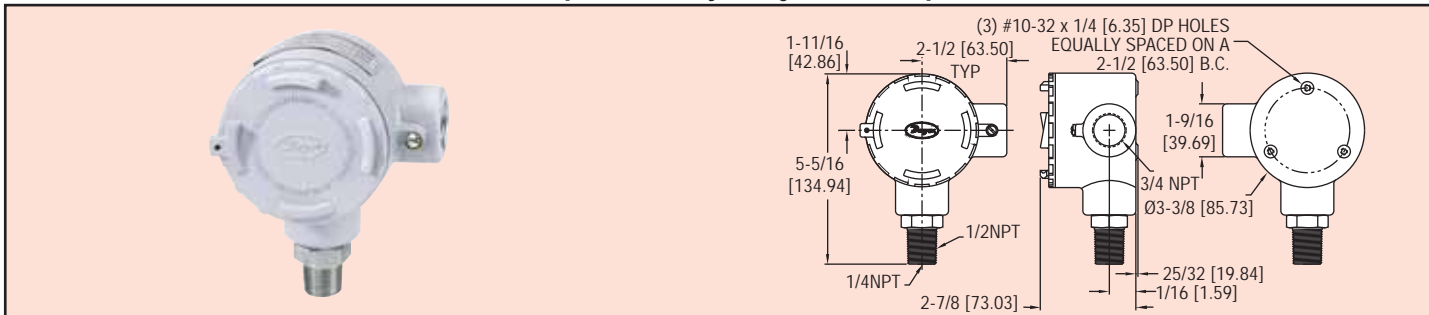




Series  
634ES

# Adjustable Range Pressure Transmitter

0.5% Full Span Accuracy, Ranges to 5000 psi



**Series 634ES Transmitters** sense a single pressure for air, compatible gas or liquid and provide 4-20 mA output signal. Positive pressure can be measured within an accuracy of  $\pm 0.5\%$  of span. The Series 634ES uses an isolated piezoresistive pressure sensor to produce a resistance change across a wheatstone bridge. Convenient 2-wire operation simplifies installation. Zero and span adjustments are fully protected inside a rugged die cast aluminum housing with durable gray polyurethane finish. Enclosure is designed to meet NEMA 4X requirements.

Model	Range in psi (bar)	Min. Range in psi (bar)	Max. Range in psi (bar)
634ES-0	10 (0.69)	10 (0.69)	20 (1.38)
634ES-1	30 (2.07)	20 (1.38)	40 (2.76)
634ES-2	50 (3.45)	40 (2.76)	60 (4.14)
634ES-3	100 (6.9)	60 (4.14)	120 (8.3)
634ES-4	200 (13.8)	100 (6.9)	250 (17.2)
634ES-5	300 (20.7)	250 (17.2)	350 (24.1)
634ES-6	500 (34.5)	350 (24.1)	600 (41.4)
634ES-7	1000 (69)	600 (41.4)	1250 (86)
634ES-8	2000 (138)	1250 (86)	2500 (172)
634ES-9	4000 (276)	2500 (172)	6000 (414)

## SPECIFICATIONS

**Service:** Compatible, gases & liquids.

**Wetted Materials:** Types 316, 316L SS.

**Accuracy:**  $\pm 0.5\%$  F.S.

**Stability:**  $\pm 1\%$  F.S./yr.

**Temperature Limits:** 0 to 140°F  
(-17.8 to 60°C).

**Compensated Temperature Limits:**  
20 to 120°F (-6.67 to 48.9°C).

**Pressure Limit:** 1.5x maximum  
pressure range.

**Thermal Effect:**  $\pm 0.025\%$  F.S./°F  
(0.045% F.S./°C).

**Power Requirements:** 10 to 35 VDC  
(2-wire).

**Output Signal:** 4 to 20 mA.

**Zero & Span Adjustments:** Protected  
potentiometers located in auxiliary  
housing.

**Loop Resistance:** 1250 ohms DC  
max.

**Current Consumption:** 38 mA DC  
max.

**Electrical Connections:** Terminal  
block.

**Process Connection:** 1/4" (6.35 mm)  
female NPT x 1/2" (12.7 mm) male  
NPT.

**Enclosure Rating:** Designed to meet  
NEMA 4X (IP66).

**Mounting Orientation:** Not position  
sensitive.

**Weight:** 1 lb, 10.6 oz (754 g).

**Agency Approvals:** CE.