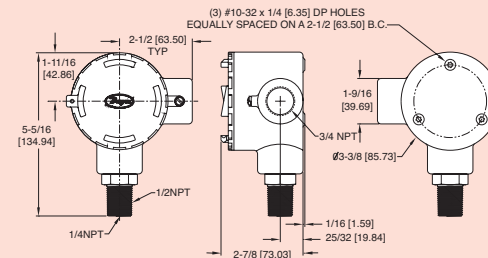




Series
634ES

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.

MODELS

Model Number	Range in psi (bar)	Min. Range in psi (bar)	Max. Range in psi (bar)
634ES-0	15 (1.035)	7.5 (0.517)	40 (2.76)
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)	5000 (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).

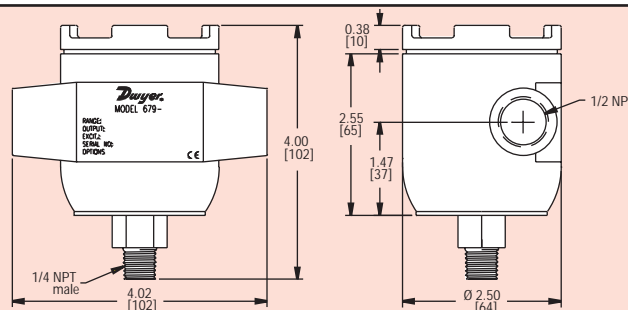
Agency Approvals: CE.



Series
679

Weatherproof Pressure Transmitter

$\pm 0.25\%$ FS Accuracy, Compatible with Corrosive Materials, 4-20 mA Output



The **Series 679 Pressure Transmitter** is compatible with a wide range of gases and liquids, and is specially designed for weatherproof service (NEMA 4/IP56). The Model 679 can measure pressures with an accuracy of $\pm 0.25\%$. This model provides a 4-20 mA output and is field adjustable.

MODELS

Model Number	Range	Overpressure
679-0	0 to 25 psi	100 psi
679-1	0 to 50 psi	150 psi
679-2	0 to 100 psi	300 psi
679-3	0 to 250 psi	500 psi
679-4	0 to 500 psi	1000 psi
679-5	0 to 1000 psi	2000 psi
679-6	0 to 3000 psi	4500 psi
679-7	0 to 5000 psi	7500 psi
679-8	0 to 10,000 psi	12,000 psi

SPECIFICATIONS

Service: Corrosive liquids and gases.

Accuracy: $\pm 0.25\%$ FS (includes non-linearity, hysteresis and non-repeatability).

Pressure Limits: See table.

Output: 4-20 mA, 2-wire.

Supply Voltage: 9-30 VDC.

Loop Resistance: 800 ohms.

Zero and Span Adjustment: $\pm 15\%$, non-interactive.

Stability: Less than .5% FS/year.

Temperature Limits: -40 to 260°F (-40 to 125°C) 10 to 90% RH, non-condensing.

Compensated Temperature Range: -4 to 176°F (-20 to 80°C).

Pressure Connection: 1/4" male NPT.

Wetted Parts: Corrosive resistant 17-4 PH SS.

Enclosure: Aluminum.

Electrical Connections: Two 1/2" conduit ports.

Weight: 13.4 oz (380 g).

Agency Approvals: CE.

Industrial Process and Sensor

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