



PRESSURE

DIFFERENTIAL PRESSURE TRANSMITTER W30 SERIES

DESCRIPTION

The **Modus W30 Series Differential Pressure Transmitters** measure differential pressure in liquids and gases compatible with 316 stainless steel. They are an excellent choice for HVAC and process applications, including measurement of differential pressure across flow elements, heat exchangers, pumps, filters, coils, and liquid level monitoring.

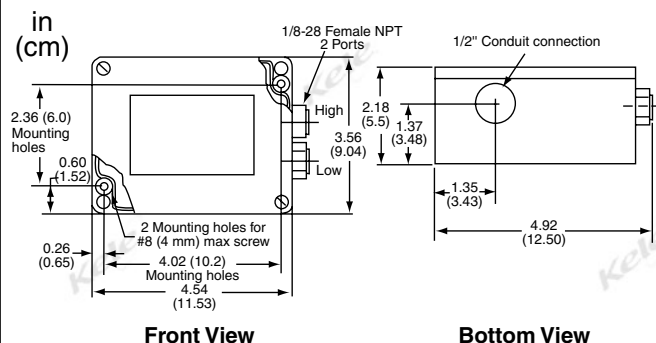
W30 Series transmitters are housed in a compact, heavy-duty cast aluminum case designed to NEMA 4 (IP65) standards. The rugged design allows it to withstand high overpressure without damaging the unit or affecting calibration. It is $\pm 0.5\%$ accurate and available in eight ranges up to 200 psi differential. The **W30 Series** is a 4-20 mA two-wire loop-powered device that operates on nominal 24 VDC.



FEATURES

- 316 stainless steel wetted parts
- 4-20 mA two-wire output
- Operates on nominal 24 VDC
- NEMA 4 cast aluminum enclosure
- Accuracy of $\pm 0.5\%$
- Ranges to 200 psig (1379 kPa) differential

DIMENSIONS

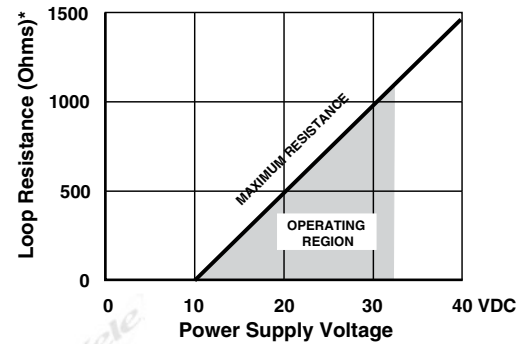
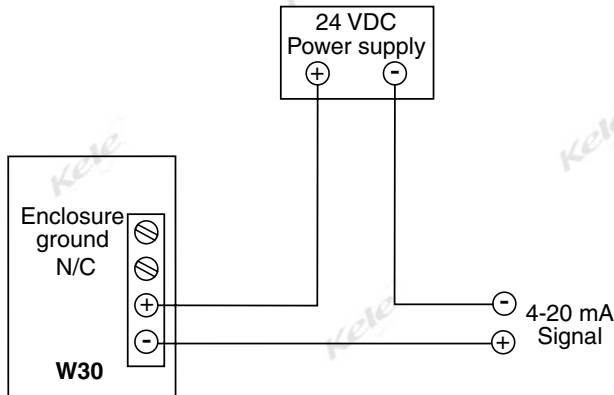


SPECIFICATIONS

Supply Voltage	11-32 VDC @ 25 mA	Operating Humidity	10 to 90% Non-condensing
Accuracy	$\pm 0.5\%$, ($\pm 1\%$ for 6 psid) (Includes Linearity & Hysteresis)	Wetted Parts	316 stainless steel
Signal Output (Current)	4-20 mA @ $< 650\Omega$ (loop powered)	Media Compatibility	Liquid/Gasses compatible w/316 SS
Sensor Type	Piezoresistive silicon	Process Connection	1/8" FNPT
Adjustments	Zero & Span trim POTS	Wiring Terminations	Removable Terminals 2-(4-20mA), 14-26 AWG
Overpressure (Burst)	Range = 60 psid = 200 psid (1378 kPa) Range = 100 psid = 600 psid (4136 kPa)	Mounting	Two internal 0.188" holes for #8 screws
Max Operating Pressure (Proof)	Range = 60 psid = 100 psid (689 kPa) Range = 100 psid = 300 psid (2068 kPa)	Enclosure Rating	Painted aluminum, NEMA 4 (IP65)
Operating Temperature	32° to 122°F (0° to 50°C)	Dimensions	3.56"W x 4.54"H x 2.18"D, (9 x 11.5 x 5.5 cm)
		Weight	1.2 lb (0.54 Kg)
		Approvals	CE
		Warranty	1 year



WIRING



INSTALLATION

The **W30 Series** transmitter should be mounted on a stable surface, free of vibration and pipe strain. A Model PT steam syphon is recommended to protect the transmitter on steam applications. Another device that might be required is the Model 47 pressure snubber to protect the transmitter from pressure pulses.

ORDERING INFORMATION

MODEL	DESCRIPTION		
W30	Liquid differential pressure transmitter		
	RANGE (call Kele for metric ranges)		
RANGE	DIFFERENTIAL PRESSURE RANGE psid (kPa)		MAXIMUM OPERATING STATIC PRESSURE* psig (kPa)
31E	6	(41.4)	100
32E	10	(69.0)	(690)
33E	15	(103.4)	
34E	30	(206.8)	
35E	60	(413.6)	300
36E	100	(689.5)	(2069)
37E	150	(1034)	
38E	200	(1379)	
	MANIFOLD OPTION		
	BVA	Bypass valve assembly	
	3VLV	Three-valve manifold assembly	

*The maximum safe momentary over pressure at any port is two times the maximum operating static pressure.

W30 - 36E

Example: W30-36E Stainless steel liquid differential pressure transmitter with a range of 0-100 psig (689.5 kPa)

RELATED PRODUCTS

47B-1	Brass piston style snubber
47S-1	Stainless steel piston style snubber
PT	1/4" pigtail syphon with fittings