



LP2

Differential Pressure (Uni-Directional) with LCD Option

The A/LP2 Series pressure transmitters incorporate a durable piezoresistive sensing element to enable low pressure measurements. Integrated temperature compensation with offset and span calibration enhances the performance of these devices and provides long-term reliability. An optional LCD provides an initial set up reference, trouble shooting assistance, and performance monitoring. Each unit offers field selectable outputs and additional ranges. The A/LP2 Series is calibrated using N.I.S.T. certified references to ensure a high level of accuracy.

The A/LP2 Series is covered by ACI's Five (5) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's web site, www.workaci.com.





SPECIFICATIONS

Supply Voltage	+15 to 36 VDC/24 VAC (+/-10%)
Supply Current	23 mA minimum
Output (Dip Switch Selectable)	2-wire, linear 4 to 20 mA DC current or 3-wire, 1-5 VDC or 2-10 VDC
Accuracy	See chart below for Accuracy
Repeatability	+/- 0.3% FSO nominal
Operating Temperature Range	-4 to 140°F (-20 to 60°C)
Operating Humidity Range	0 to 95% RH, non-condensing
Compensated Temperature Range	32 to 122°F (0 to 50°C)
Thermal Effects (Shift is relative to 77°F (25°C))	+/-0.067% FSO/°F (+/-0.12% FSO/°C)
Proof Pressure	100/200" w.c.
Burst Pressure	300" w.c.
Media	Dry air or inert non-conductive gases
Product Dimensions (All LP2 Versions)	(H) 5.25" (W) 3.08" (D) 1.45"

PRESSURE RANGE CHART

Series: LP2-1	Default Range: 0-1" w.c.	Jumper Selectable: 0-2" w.c., 0-300 Pa, 0-500 Pa	Accuracy: +/- 0.85% F.S.O.
Series: LP2-2	Default Range: 0-2" w.c.	Jumper Selectable: 0-1" w.c., 0-300 Pa, 0-500 Pa	Accuracy: +/- 0.85% F.S.O.
Series: LP2-3	Default Range: 0-3" w.c.	Jumper Selectable: 0-4" w.c., 0-5" w.c., 0-1000 Pa	Accuracy: +/- 0.85% F.S.O.
Series: LP2-4	Default Range: 0-4" w.c.	Jumper Selectable: 0-3" w.c., 0-5" w.c., 0-1000 Pa	Accuracy: +/- 0.85% F.S.O.
Series: LP2-5	Default Range: 0-5" w.c.	Jumper Selectable: 0-3" w.c., 0-5" w.c., 0-1000 Pa	Accuracy: +/- 0.85% F.S.O.
Series: LP2-10	Default Range: 0-10" w.c.	Jumper Selectable: 0-1600 Pa, 0-2500 Pa	Accuracy: +/- 0.85% F.S.O.
Series: LP2-20	Default Range: 0-20" w.c.	Jumper Selectable: 0-3200 Pa, 0-5000 Pa, 0-5000 Pa	Accuracy: +/- 0.85% F.S.O.
Series: LP2-300	Default Range: 0-300 Pa	Jumper Selectable: 0-1" w.c., 0-2" w.c., 0-500 Pa	Accuracy: +/- 0.85% F.S.O.
Series: LP2-500	Default Range: 0-500 Pa	Jumper Selectable: 0-1" w.c., 0-2" w.c., 0-300 Pa	Accuracy: +/- 0.85% F.S.O.
Series: LP2-1000	Default Range: 0-1000 Pa	Jumper Selectable: 0-3" w.c., 0-4" w.c., 0-5" w.c.	Accuracy: +/- 0.85% F.S.O.
Series: LP2-1600	Default Range: 0-1600 Pa	Jumper Selectable: 0-10" w.c., 0-2500 Pa	Accuracy: +/- 0.85% F.S.O.
Series: LP2-2500	Default Range: 0-2500 Pa	Jumper Selectable: 0-10" w.c., 0-1600 Pa	Accuracy: +/- 0.85% F.S.O.

ORDERING

Select one Differential Pressure Range (A), one Output (B) & one Display Option (C). **NOTE:** The LCD displays Pascals in kPa increments instead of Pa. For instance, 0-500 Pa will read 0.5 kPa on the display.

A Differential Pressure Range			B Output	C Display
<input type="radio"/> A/LP2-1	<input type="radio"/> A/LP2-5	<input type="radio"/> A/LP2-500	<input type="radio"/> 5 (1 to 5 VDC)	<input type="radio"/> ---- (No Display)
<input type="radio"/> A/LP2-2	<input type="radio"/> A/LP2-10	<input type="radio"/> A/LP2-1000	<input type="radio"/> 10 (2 to 10 VDC)	<input type="radio"/> LCD (LCD Display)
<input type="radio"/> A/LP2-3	<input type="radio"/> A/LP2-20	<input type="radio"/> A/LP2-1600	<input type="radio"/> 20 (4 to 20 mA)	
<input type="radio"/> A/LP2-4	<input type="radio"/> A/LP2-300	<input type="radio"/> A/LP2-2500		

BUILD PART NUMBER

After completing (A), (B), & (C) from the above table, fill in the Part Number Table below. An example part number is offered.

A	B	C
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EXAMPLE: A/LP2-1 - 20 - LCD

The LP2 enclosure has a UL94-5VA flammability rating.

