



MINI LP

Differential Pressure for Tight Installation

The A/MLP Series Pressure Transmitters incorporate a durable piezoresistive, silicon micro-machined sensing element to enable very low pressure measurements. Pushbutton zero and span calibration features provide easy field adjustability and the compact size of the A/MLP lends itself to panel mount or tight installations. In addition, the wiring terminal block is removable for ease of installation. Pressure ranges are either unidirectional or bidirectional and go all the way up to 30 inches of water column. The A/MLP Series is calibrated using NIST certified references and the standard outputs are 4 to 20 mA, 0 to 5 VDC, 1 to 6 VDC, or 0 to 10 VDC. The output circuitry is designed to limit the current output at 21 mA to protect the inputs of your Building Management System and to avoid alarms if the signal goes out of the preconfigured range.

The A/MLP 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 VDC	15 to 36 VDC (2 to 10 VDC Output) & 12 to 36 VDC (0 to 5 VDC & 4 to 20 mA Outputs)
Supply Voltage VAC	24 VAC +/-10% (all outputs)
Supply Current	23 mA minimum
Output	2-wire, linear 4 to 20 mA DC current or 3-wire, 0-5 VDC, 1-6 VDC, 2-10 VDC or 0-10 VDC
Accuracy (Linearity, Hysteresis, and Repeatability)	+/- 1% FSO
Response Time	500 mS
Repeatability	+/- 0.3% FSO nominal
Operating Temperature Range	32 to 140°F (0 to 60°C)
Operating Humidity Range	10 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 inWC (24.9 kPa) for ranges ≤ 2 inWC (0.5 kPa) 200 inWC (49.82 kPa) for ranges > 2 inWC (0.5 kPa)
Burst Pressure	300 inWC (74.65 kPa) for ranges ≤ 10 inWC (2.5 kPa) 500 inWC (124.42 kPa) for ranges > 10 inWC (2.5 kPa) & < 30 inWC (7.5 kPa) 800 inWC (199.072 kPa) for ranges > 30 inWC (7.5 kPa)
Media	Dry air or inert non-conductive gases
Enclosure	UL94-V0 rated, flame retardant ABS
Product Dimensions	(H) 4.05" (W) 2.10" (D) 1.08"

ORDERING

Please select options within Version 1 (1A & 1B) OR options within Version 2 (2A & 2B).

1A Version 1: Differential Pressure Unidirectional Ranges			1B Output
<input type="radio"/> A/MLP-1 (Range: 0-1.0" w.c.)	<input type="radio"/> A/MLP-10 (Range: 0-10" w.c.)	<input type="radio"/> A/MLP-300 (Range: 0-300 Pa)	<input type="radio"/> 2 (2 to 10 VDC)
<input type="radio"/> A/MLP-2 (Range: 0-2.0" w.c.)	<input type="radio"/> A/MLP-15 (Range: 0-15" w.c.)	<input type="radio"/> A/MLP-500 (Range: 0-500 Pa)	<input type="radio"/> 5 (0 to 5 VDC)
<input type="radio"/> A/MLP-3 (Range: 0-3.0" w.c.)	<input type="radio"/> A/MLP-20 (Range: 0-20" w.c.)	<input type="radio"/> A/MLP-1000 (Range: 0-1000 Pa)	<input type="radio"/> 6 (1 to 6 VDC)
<input type="radio"/> A/MLP-4 (Range: 0-4.0" w.c.)	<input type="radio"/> A/MLP-25 (Range: 0-25" w.c.)	<input type="radio"/> A/MLP-1600 (Range: 0-1600 Pa)	<input type="radio"/> 10 (0 to 10 VDC)
<input type="radio"/> A/MLP-5 (Range: 0-5.0" w.c.)	<input type="radio"/> A/MLP-30 (Range: 0-30" w.c.)	<input type="radio"/> A/MLP-2500 (Range: 0-2500 Pa)	<input type="radio"/> 20 (4 to 20 mA)

2A Version 2: Differential Pressure Bidirectional Ranges			2B Output
<input type="radio"/> A/MLP-0.5B (Range: +/- 0.5" w.c.)	<input type="radio"/> A/MLP-10B (Range: +/- 10" w.c.)	<input type="radio"/> A/MLP-300B (Range: +/- 300 Pa)	<input type="radio"/> 5 (0 to 5 VDC)
<input type="radio"/> A/MLP-1B (Range: +/- 1" w.c.)	<input type="radio"/> A/MLP-15B (Range: +/- 15" w.c.)	<input type="radio"/> A/MLP-500B (Range: +/- 500 Pa)	<input type="radio"/> 6 (1 to 6 VDC)
<input type="radio"/> A/MLP-2B (Range: +/- 2" w.c.)	<input type="radio"/> A/MLP-20B (Range: +/- 20" w.c.)	<input type="radio"/> A/MLP-1000B (Range: +/- 1000 Pa)	<input type="radio"/> 10 (0 to 10 VDC)
<input type="radio"/> A/MLP-3B (Range: +/- 3" w.c.)	<input type="radio"/> A/MLP-25B (Range: +/- 25" w.c.)	<input type="radio"/> A/MLP-1600B (Range: +/- 1600 Pa)	<input type="radio"/> 20 (4 to 20 mA)
<input type="radio"/> A/MLP-4B (Range: +/- 4" w.c.)	<input type="radio"/> A/MLP-30B (Range: +/- 30" w.c.)	<input type="radio"/> A/MLP-2500B (Range: +/- 2500 Pa)	
<input type="radio"/> A/MLP-5B (Range: +/- 5" w.c.)			

BUILD PART NUMBER

After completing either (1A, 1B) OR (2A, 2B) from the above table, fill in the Part Number Table below. An example part number is offered.

1A or 2A	1A or 2B
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EXAMPLE: A/MLP-1-20

The MLP enclosure has a 94 V-0 flame rating.

