

DLP Series Features

- Standard accuracy +/- 0.5% FSO
- Analog output 0-20 VDC or 4-20mA
- Pressure ranges form 0-0.1 to 0-40 of water column
- Field selectable uni or bi-directional ranges
- Optional five digit digital display
- Five year limited warranty

The DLP Series is based on a piezoresistive, silicon sensing element which senses Differential Pressure and provides an analog output. The hinged cover on the DLP can be easily opened using the integrated locking tab on the side of the enclosure. This allows for easy access to the zero function and field selectable ranges and outputs. The DLP Series also includes an optional, five digit LCD for installation and monitoring support. Field selectable analog outputs include 0-5 and 0-10 VDC, or 4-20 mA which correlate to a uni or bi-directional pressure range from 0-0.1" up to 0-40" of water column, depending on your model selection. Each unit has up to 8 field selectable, uni or bi-directional ranges. Options include a Pitot Tube or Din Rail Clip.

Ordering Options



Part	Part #	Description
ASI-DLP-001 - No Display	30-ASIDL001WUNAO	Ranges (Default): 0-0.1", 0-0.2", 0-0.5",
ASI-DLP-001 - Display	30-ASIDL001WUDAO	Ranges (Default): 0-0.1", 0-0.2", 0-0.5",
ASI-DLP-010 - No Display	30-ASIDL010WUNAO	Ranges (Default): 0-1", 0-2", 0-5", 0-10"
ASI-DLP-010 - Display	30-ASIDL010WUDAO	Ranges (Default): 0-1", 0-2", 0-5", 0-10"
ASI-DLP-040 - No Display	30-ASIDL040WUNAO	Ranges (Default): 0-10", 0-20", 0-30", 0-40" w.c.
ASI-DLP-040 - Display	30-ASIDL040WUDAO	Ranges (Default): 0-10", 0-20", 0-30", 0-40" w.c.

Technical Specifications

Supply Voltage:	4-20 mA Output: 16-36 VDC (250 Ohm Load max.) / 22-36 VDC (500 Ohm Load max.) / 24 VAC(+/-10%) 50/60 Hz 0-5 VDC / 0-10 VDC Output: 15-36 VDC into > 5K Ohm Load / 24 VAC (+/- 10%), 50/60 Hz
Supply Current:	4-20 mA Output: 24 mA minimum (0.83 VA) 0-5 VDC / 0-10 VDC Output: 6 mA maximum (0.18 VA)
Output Signals:	Current Output: 4-20 mA, 2-Wire Loop Powered (Default); Current limited to 21.5 mA maximum Voltage Signals: 0-5 VDC / 0-10 VDC Field Selectable, 3-Wire; Output limited @ 5.25 & 10.5 VDC
Response Time (0-100% FSO):	4 seconds
Output Update Rate:	0.5 second intervals
Accuracy :	+/- 0.50% FSO
Zero Function:	Push Button
Thermal Eects :	+/- 0.067% FSO / °F (0.12% FSO / °C)
Proof Pressure Burst Pressure:	A/DLP-001: Proof: 270 inWC (67.2 kPa) Burst: 415 inWC (103.3 kPa) for 1 inWC (249.8 Pa) A/DLP-010: Proof: 350 inWC (87.12 kPa) Burst: 550 inWC (136.9 kPa) for 10 inWC (2490.8 Pa) A/DLP-040: Proof: 562 inWC (140 kPa) Burst: 1004.7 inWC (250 kPa) for 40 inWC (9963.6 Pa)
Operating Temperature Range:	-4 to 185°F (-20 to 85°C)
Compensated Temperature Range:	32 to 122°F (0 to 50°C)
Storage Temperature Range:	-22 to 185°F (-30 to 85°C)
Operating Humidity Range:	10 to 95% RH, non-condensing
Enclosure Material Flammability Rating:	Flame Retardant Polycarbonate; UL94-5VA
Wiring Connections:	Finger Pushbutton (Spring) Terminal Blocks; accepts 16-24 AWG wires
Conduit Knockouts:	Watertight Cordgrip Installed (1/2" NPT Conduit fittings accepted when Cordgrip removed)
Pressure Fitting Material:	Nickel Plated Brass or Stainless Steel
Tubing Size Accepted:	1/4" O.D. x 0.170" I.D. Poly Tubing
Product Weight (No Pitot Tube / Din Rail):	Non-LCD Display Version: 0.53 lbs (0.240 kg) LCD Display Version: 0.58 lbs (0.263 kg)