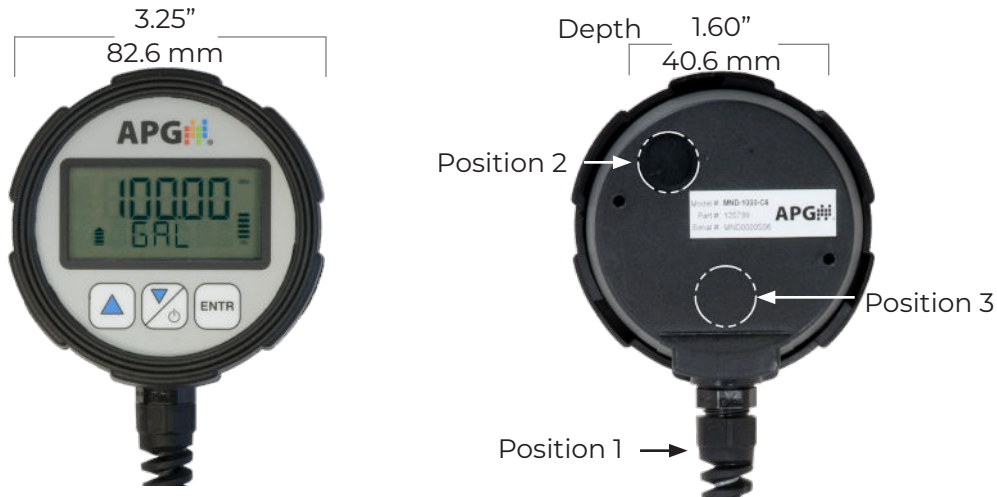


# LPD Series

Loop Powered Display

## Datasheet



**Main Connection Positions**

The LPD Loop Powered Displays are designed to be inserted into a 4-20 mA sensor current loop to provide a local display without additional wiring. Setup is easy using the 3 buttons on the display.

### Features

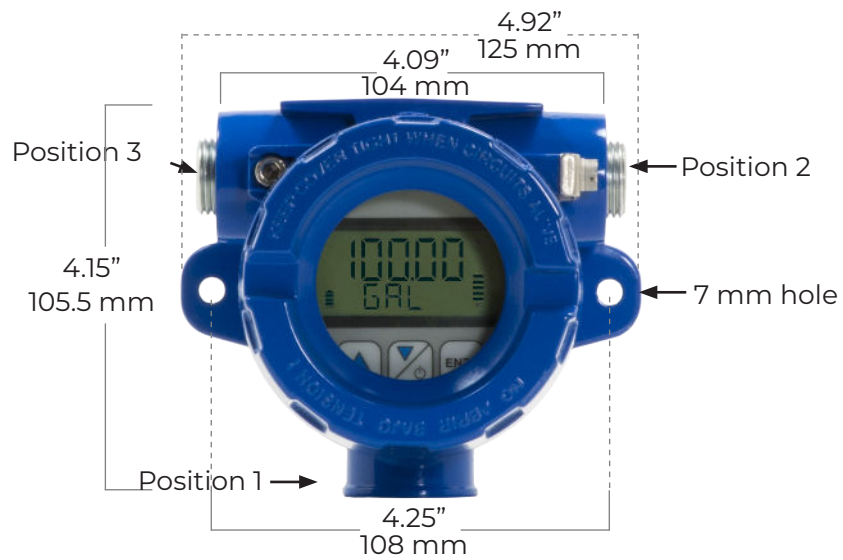
- Large, full 5-digit display with 0.4 in. characters and 6-digit description line
- Environmentally sealed housing; IP67 or IP68 certification
- 4-20 mA input
- Easy 3-button programming
- User selectable units of measure:  
(barrels, cubic inches, liters, cubic meters, gallons, million cubic feet, cubic feet, custom)
- Optional RS-485/Modbus RTU output

# LPD HOUSING DIMENSIONS

## 4" Aluminum Housing



## 3" Aluminum Housing



# LPD SPECIFICATIONS

## Performance

RS-485 (Modbus RTU)	2400, 9600, 19200, 38400 Baud Rates
Display Readings	Volume, Level, Distance, Pressure
Display Update Rate	500 mSec
Accuracy	± 1 Count

## Connectivity

Output Options	4-20 mA Loop-Powered Operation RS-485
Input	4-20 mA

## Environmental

Protection Rating	IP67, IP68
Storage Temperature	-40° to 160°F (-40° to 71°C)
Operating Temperature	0° to 160°F (-18° to 71°C)

## Certification

IP67	Plastic Housing (3.25")
IP68	Aluminum Housing (3" or 4")

## Programming

Programmable Features:	User Selectable Units of Measure, Auto-Off 3-Button Keypad
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## Electrical

Backlight	Powered From the 4-20 mA Loop
Maximum Voltage Drop	4.7 VDC Maximum, 4.3 VDC Typical

## Physical

Display	5 Digit LCD, 0.4 in. Digits, 6 Character Description Field
Plastic Housing	Injected Molded Case (EMI-X ® PDX-W-88341) Protection Rating: IP67
Metal Housing	Aluminum Pressure Die Casting, 0.5% Mg Chemically Resistant Paint Protection Rating: IP68

# LPD MOUNTING OPTIONS

**Rubber Boot  
(Option #1)**



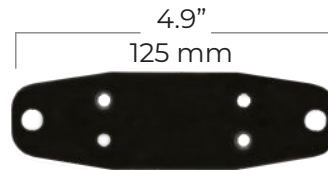
**Standoff Bracket  
(Option #2)**



**Panel Mount Bracket  
(Option #4)**



**Flat Mount Bracket  
(Option #5)**



# MODEL CONFIGURATION OPTIONS

Part Number: LPD - 0      0                -      -       
                                   A      C      D      E      F      G

## A. RS-485 Communication

- 0** RS-485
- 3<sup>▲</sup>** No RS-485

## C. Enclosure

- 0<sup>▲</sup>** 3" Round Plastic Housing
- 2** 3" Aluminum (1/2" NPT cable entry)
- 3** 4" Aluminum (3/4" NPT cable entry)

## D. Mounting/Cover

- 0<sup>▲</sup>** Standard Mounting
- 1** Rubber Boot
- 2** Standoff Bracket (Aluminum Black Anodized)
- 4** Panel Mount Bracket (Black Delrin)
- 5** Flat Mount Bracket (Black Acrylic 3/16")
- 6** Flat Mount Bracket (Black Acrylic 3/16") + Rubber Boot installed

## E. Connection Location

- 1<sup>▲</sup>** Position 1
- 2** Position 2
- 3** Position 3

## F. Main Cable or Connector

- C** Cable with flying leads, in feet (ex. C100 = 100 feet, avail. in 5 ft increments)
- M** Cable in feet with connector (select from Connector Table below) (ex. M5C5 = 4 pin M12 Female connector with 5 feet of cable, avail. in 5 ft increments)
- Connector only (select from Connector Table below)

Connector Table	
<input type="checkbox"/> <b>2</b>	4 pin M12 Male
<input type="checkbox"/> <b>5</b>	4 pin M12 Female

## G. Backlight

- 0<sup>▲</sup>** No Backlight
- 1** Backlight (intensity follows 4-20 mA loop)

# LPD ACCESSORIES

Please order separately, by part number.

Description	Part Number
Panel mount bracket	512599
Flat mount bracket	110542-0002
Standoff bracket	512597
Rubber boot	512626
4-pin female micro connector (M12) Field Wireable	509087
4-pin female micro connector (M12) with cable	135407-00XX (X=cable length)
4 Conductor Cable	135287
5 Conductor Cable	135296
6 Conductor Cable	135297
8 Conductor Cable	135300



Automation Products Group, Inc.  
Tel: 1 (888) 525-7300 or 1 (435) 753-7300

e-mail: [sales@apgsensors.com](mailto:sales@apgsensors.com)  
[www.apgsensors.com](http://www.apgsensors.com)

Automation Products Group, Inc.  
1025 W. 1700 N.  
Logan, UT 84321