

# LPD Loop Powered Display



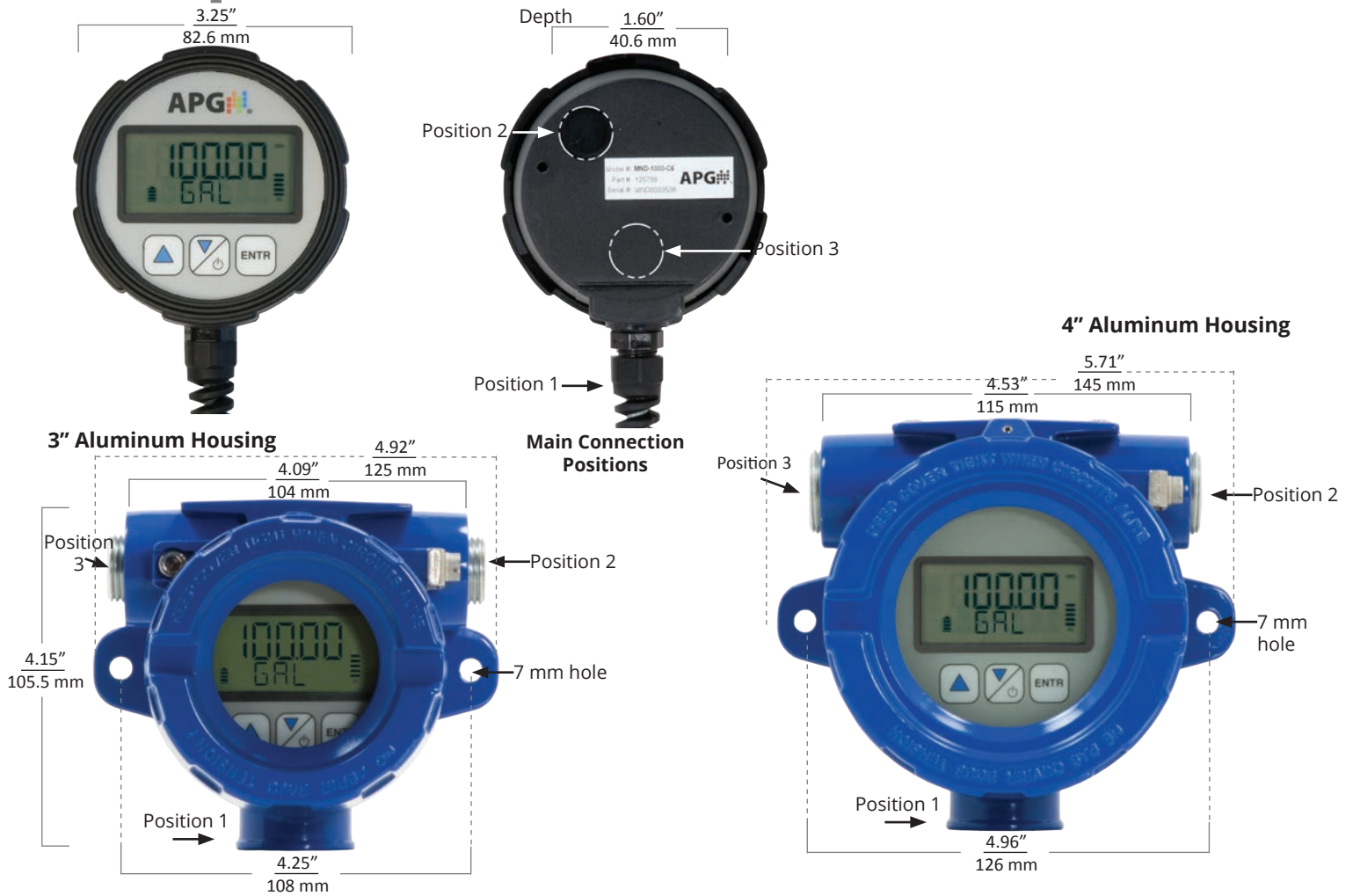
The LPD Loop Powered Displays are designed to be inserted into a 4-20 mA sensor current loop to provide a local display without additional wiring. Setup is easy using the 3 buttons on the display.

## 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 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  
RS485
- Input: 4-20 mA

## Environmental

- Protection rating: IP67, IP68
- Storage Temp: -40° - 160°F (-40° - 71°C)
- Operating Temp: 0° - 160°F (-18° - 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

## 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 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

## Mounting Bracket Options

**Panel Mount**



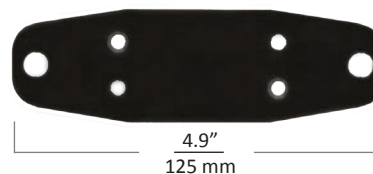
**Rubber Boot**



**Standoff Bracket**



**Flat Mount Bracket  
(Black Acrylic 3/16")**



# 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, 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)