

LPD Loop Powered Display

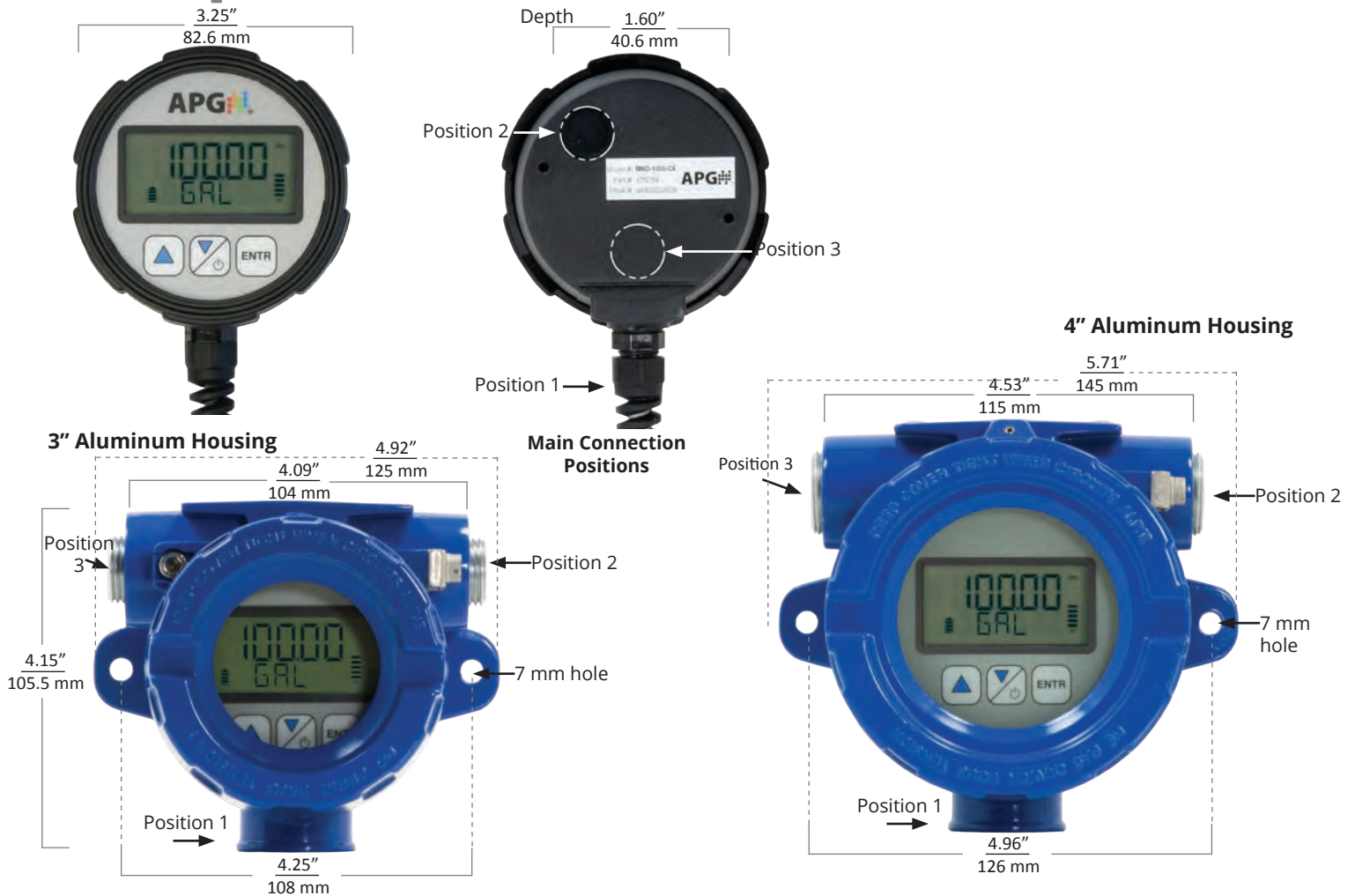


The LPD Loop Powered Displays are designed to be inserted into a 4-20 mA sensor current loop to provide a local display without additional wiring. Setup is easy using the 3 buttons on the display.

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**[▲] No RS-485

C. Enclosure

- ☐ **0**[▲] 3" Round Plastic Housing
- ☐ **2** 3" Aluminum (1/2" NPT cable entry)
- ☐ **3** 4" Aluminum (3/4" NPT cable entry)

D. Mounting/Cover

- ☐ **0**[▲] 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**[▲] 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

- | | |
|-----------------------------------|------------------|
| ☐ 2 | 4 pin M12 Male |
| ☐ 5 | 4 pin M12 Female |

G. Backlight

- ☐ **0**[▲] No Backlight
- ☐ **1** Backlight (intensity follows 4-20 mA loop)