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: -40º - 160ºF (-40º - 71ºC)
- Operating Temp: 0º - 160ºF (-18º - 71ºC)

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.

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

Mounting Bracket Options

- **Panel Mount**: 0.62" (15.83 mm) Diameter, 3.9" (99.15 mm) Height
- **Rubber Boot**: 3.4" (86.75 mm) Diameter
- **Standoff Bracket**: 0.85" (21.5 mm) Height, 4.00" (101.8 mm) Width
- **Flat Mount Bracket (Black Acrylic 3/16")**: 4.9" (125 mm) Width
# Model Configuration Options

**Part Number:** LPD - 0_____ 0_____ 0_____ - 0_____ - 0_____ 0_____

A. **RS-485 Communication**

- [ ] □ RS-485
- [ ] □ No RS-485

C. **Enclosure**

- [ ] □ 3" Round Plastic Housing
- [ ] □ 3" Aluminum (1/2" NPT cable entry)
- [ ] □ 4" Aluminum (3/4" NPT cable entry)

D. **Mounting/Cover**

- [ ] □ Standard Mounting
- [ ] □ Rubber Boot
- [ ] □ Standoff Bracket (Aluminum Black Anodized)
- [ ] □ Panel Mount Bracket (Black Delrin)
- [ ] □ Flat Mount Bracket (Black Acrylic 3/16")
- [ ] □ Flat Mount Bracket (Black Acrylic 3/16") + Rubber Boot installed

E. **Connection Location**

- [ ] □ Position 1
- [ ] □ Position 2
- [ ] □ 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)

<table>
<thead>
<tr>
<th>Connector Table</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ 2 4 pin M12 Male</td>
</tr>
<tr>
<td>□ 5 4 pin M12 Female</td>
</tr>
</tbody>
</table>

G. **Backlight**

- [ ] □ 0 No Backlight
- [ ] □ 1 Backlight (intensity follows 4-20 mA loop)