PowerView™ PV350
Engine and Diagnostic Display

The PowerView 300 Series features robust, multifunctional displays for advanced monitoring of multiple electronic engines. The PV350 display in this series monitors multiple engine and machine parameters on an easy-to-read 3.8-inch (97mm) QVGA monochrome LCD. The display is capable of handling sophisticated engine diagnostics as well as basic engine alarm/shutdown.

The PV350 display is customizable using the PowerVision Configuration Studio®, an intuitive tool designed to make personalization simple. Using the software tool, users can tailor basic graphics, designate screen layout and define custom parameters.

This panel is equipped with five tactile push buttons to quickly access a convenient menu. In addition, a backlit, heated graphic display and two LEDs indicate active-fault alarm or shutdown status.

Specifications

- **Operating voltage:** 6-36 VDC
- **Vibration and shock:** 7.86 random vibe (5-2000Hz) and ±50g shock in three axis
- **Reversed polarity:** withstand reversed battery terminal polarity
- **Operating temperature:** -40 to 185°F (-40 to 85°C)
- **Storage temperature:** -40 to 185°F (-40 to 85°C)
- **Communications:** (2) CAN 2.0B; second CAN port is NMEA 2000 isolated; J1939 and NMEA 2000 protocol; proprietary messaging
- **EMC/EMI:** 2004/108/EC and 2006/95/EC directives
  - EN61000-6-4:2001 (emission)
  - EN61000-6-2:2001 (immunity)
  - EN-50121-3-2 and EN 12895
- **Connectors:** Deutsch DT series 6 pin; M12 for NMEA 2000 (micro-C)
- **Inputs:** (1) resistive analog
- **Outputs:** (1) 500 mA; switched low-side
- **SAE J1113/2, 4, 11, 12, 21, 24, 26 and 41 display**
- **Display:** 3.8" (97 mm) QVGA (320x240 pixels); monochrome transflective LCD with white LED backlight and heater
- **Viewing angle:** ±50° horizontally; +45°/-60° vertically
- **Keys:** 5 tactile push buttons
- **Alarms:** Red and amber warning LEDs; capable of set points-triggered output for external piezo buzzer or shutdown relay

Dimensions

- **4.60 in. (116.84 mm)**
- **2.44 in. (62 mm)**
- **3.197 in. (81.2 mm)**
- **4.324 in. (109.8 mm)**
- **2.177 in. (55.28 mm)**
- **0.892 in. (22.65 mm)**
How To Order

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>78700545</td>
<td>PV350, Murphy Standard</td>
<td>Display</td>
</tr>
<tr>
<td>78090100</td>
<td>Programming Kit, PV380-350 with dongle</td>
<td>Accessories</td>
</tr>
<tr>
<td>78051077</td>
<td>Seal, PV380-350 gasket</td>
<td>Service</td>
</tr>
<tr>
<td>78000752</td>
<td>PowerVision Configuration Studio® CD and license</td>
<td>Software</td>
</tr>
</tbody>
</table>