An EnviroMonitor System is an advanced mesh network that includes a Gateway and up to 32 Nodes. Each Node can have up to four sensors. The Nodes transmit the sensor data to a mesh parent, either the IP Gateway or another Node. The IP Gateway then sends the data via Wi-Fi or Ethernet connection to WeatherLink.com.

**General**
- Operating Temperature: 32° to +140°F; 0° to +60°C
- Average Current Draw: 100 mA
- Peak Current: 700 mA
- Housing Material: Rugged ABS Plastic
- Dimensions: 7 x 4 x 1.25 inches; 18 x 10 x 3 cm
- Weight (without batteries or AC adapter): 0.48 lbs. (0.22 kg)
- Backup Batteries: 4 AA (not included)
- Battery Life: 5 days
- AC Adapter: 5 VDC, 1000 mA
- Wi-Fi Frequency Range & Power: 2412-2472 MHz, 802.11b/g/n; less than 72mW
- BLE Frequency Range & Power: 2402-2480 MHz, less than 1mW

**Barometric Pressure Sensor Data (internal sensor)**
- Resolution and Units: 0.001" Hg, 0.1 mm, 0.1 hPa, 0.1mb. (user selectable)
- Range: 16.00" to 32.50" Hg, 410 to 820 mm Hg, 540 to 1100 hPa or mb
- Elevation Range: -1500' to +15,300' (-460 m to 4670 m)
- Uncorrected Reading Accuracy: ±0.03" Hg (±0.8 mm Hg, ±1.0 hPa/mb) (at room temperature)
- Sea-Level Reduction Equation Used: Altimeter
- Equation Accuracy: ±0.01" Hg (±0.3 mm Hg, ±0.3 hPa/mb)
- Elevation Accuracy Required: ±10' (3m) to meet equation accuracy specification
- Trend (change in 3 hours): Change ±0.06" (2.0 hPa/mb, 1.5 mm Hg) = Rapidly
  Change ±0.02" (0.7hPa/mb, 0.5 mm Hg) = Slowly
- Range for Rising and Falling Trend Alarms: -0.255 to 0.255" Hg (-6.5 to 6.5 mm Hg, -8.6 to 8.6 hPa/mb)
- Update Interval: 1 minute

**Weather Station Wireless Communications**
Transmit/Receive Frequency and Channels: All bands are license-free.
- Receive Frequency
  - US Models: 902.0 - 928.0 MHz FHSS
  - EU Models: 868.0 - 868.6 MHz FHSS
  - Australia/Brazil Models: 918.0 - 926.0 MHz FHSS
  - New Zealand/Peru Models: 921.0 - 928.0 MHz FHSS
  - India Models: 865.0 - 867.0 MHz FHSS
  - Russia Models: 868.7 - 869.2 MHz FHSS
- ID Codes Available: 8
- Range
  - Line-of-Sight: up to 1000 feet (300 m)
  - Through Walls: 200 to 400 feet (60 to 120 m)

**Package Dimensions**

<table>
<thead>
<tr>
<th>Product #</th>
<th>Package Dimensions (Length x Width x Height)</th>
<th>Package Weight</th>
<th>UPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>6805</td>
<td>13.0&quot; x 6.6&quot; x 3.25&quot; 33 x 16 x 8 cm</td>
<td>1 lb. 8 oz</td>
<td>011698013364</td>
</tr>
</tbody>
</table>

Davis Instruments
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