5. Programming the Monitoring Functions

- The meter has four display modes: rate, minimum, average, and total.
- The button can be toggled at any time to see any of the four modes. The button is also used to program the meter.
- LEDs above the display indicate which mode is currently showing.
- Any of the four modes can be programmed to be the default display.
- Alarms can be programmed for flows below a preset minimum and a preset average.
- Five different units of measure can be specified.

To Program:
- Press and hold button to enter programming mode, then release.
- Press button to advance value; press and hold to advance quickly.
- Release and wait to move to next parameter.

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Meaning</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>LL</td>
<td>Low Limit</td>
<td>Threshold for minimum flow alarm</td>
<td>0.1 scfm to 99 scfm</td>
</tr>
<tr>
<td>LP</td>
<td>Low Period</td>
<td>Period over which minimum flow is calculated</td>
<td>0.1 hr to 24 hr</td>
</tr>
<tr>
<td>AL</td>
<td>Average Limit</td>
<td>Threshold for average flow alarm</td>
<td>0.1 scfm to 99 scfm</td>
</tr>
<tr>
<td>AP</td>
<td>Average Period</td>
<td>Period over which average flow is calculated</td>
<td>0.1 hr to 24 hr</td>
</tr>
<tr>
<td>FF</td>
<td>Filter Factor</td>
<td>Degree of filtering</td>
<td>0 – no filtering</td>
</tr>
<tr>
<td>dd</td>
<td>default display</td>
<td></td>
<td>6 – maximum filtering</td>
</tr>
<tr>
<td>du</td>
<td>display units</td>
<td>Rate</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 – scfm</td>
<td>Total</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 – Nm3/hr at 0 deg C</td>
<td>1000 cu ft</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 – Nm3/hr at 20 deg C</td>
<td>m3 at 0 deg C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 – Nm3/min at 0 deg C</td>
<td>m3 at 20 deg C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 – Nm3/min at 20 deg C</td>
<td>m3 at 0 deg C</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>m3 at 20 deg C</td>
</tr>
</tbody>
</table>
1. Meter Location

- Maximum pressure is 200 psi in Sch. 40 steel and Type L Copper. Consult CDI about other applications.
- Air must be free of water droplets. Locate the meter downstream of a dryer.
- Provide at least 5 diameters of straight pipe upstream of the meter.

![Meter Location Diagram]

2. Drilling the Holes

- Use 5200-DG drill guide.
- Air must be shut down.
- Wear eye protection.
- Shavings will enter pipe; make sure they will not cause problems downstream.
- Orient the drill guide for optimal meter visibility.
- A chain clamp, C-clamp, or band clamp may be used.
- Backing piece may be used if necessary.

![Drilling the Holes Diagram]

3. Mounting the Meter

- Insert the band clamps into the slots provided.
- Insert probes into the holes in the pipe.
- Make sure flow arrow is pointing in the right direction.
- Engage and tighten the band clamps.

![Mounting the Meter Diagram]

4. Powering the Meter

- To 24V Supply
- DC+
- DC-
- Ground

![Powering the Meter Diagram]