**Description**

This flowmeter is made for water, chemicals and low viscosity fluids compatible with materials of construction.

Features:
- Maximum flow rate of 50 GPM
- Designed for monitoring water add on concrete trucks
- Pulse out or 4-20 mA output
- Batch (total) mode or rate for continuous mix
- No moving parts to clog or wear
- 1 1/2% accurate
- 3-digit LED display option
- Gallons or Liters

**Electrical Specifications**

- Input Power: 10 - 30 VDC @ 80 mA
- Electrical Connection
  - Pin Connector (standard)
  - Weather pack

**Material Specifications**

Flow body of Polysulfone with Viton® seals. Bluffs made of brass and PEEK sensor.

**User-Configurable Options**

Features that are selectable
- Engineering units (GPM, LPM)

**Instrument Specifications**

- Flow
  - Maximum flow 50GPM
  - Visual readout: 3 digit LED, 0.3" digit height
  - Turndown: 10:1
  - Accuracy: +/- 1-1/2% full scale
  - Repeatability: +/- .25% of indicated flow
- Pressure
  - 200 PSI (13.6 bar)
- General
  - Fluid temperature limits: 35-210°F (2-99°C)
  - Enclosure Rating: IP65; Type 4X
  - Pipe Connection: Female NPT
  - Minimum backpressure required (5 PSI typical at midrange, 10 PSI at high flows)
  - Over range to 125% without damage
  - Straight run 10 pipe diameters upstream & 5 down for max accuracy
  - Pulse or 4-20mA rate output
  - Mounting lugs integral to body
How To Order  Select the appropriate symbols to build a model code:

MODEL CODES

<table>
<thead>
<tr>
<th>SERIES</th>
<th>SYMBOL=FEATURE</th>
<th>BODY MATERIAL</th>
<th>CABLEING</th>
<th>OUTPUT AND DISPLAY</th>
<th>ORIENTATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPM8</td>
<td>-M5 Polysulfone</td>
<td>C1 = 5 pin connector only</td>
<td>D3 = Pulse out with 3 digit display of total</td>
<td>N2 = Flow up</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>C7 = 4 feet of 3-wire cable added to the pin connector terminating in a PG7 &quot;weather pack&quot; connector</td>
<td>D1 = 4-20 mA out with 3 digit of rate display</td>
<td>N3 = Flow left</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>D4E10 = pulse out no display</td>
<td>N1 = Flow right</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>D4E1 = 4-20 mA out with no display</td>
<td>N4 = Flow down</td>
<td></td>
</tr>
</tbody>
</table>

FACE AND PIN CONNECTOR ORIENTATION WITH FLOW

PRESSURE DROP CHARTS

ACCESSORY CABLES AVAILABLE FOR PIN CONNECTOR METERS

<table>
<thead>
<tr>
<th>Series</th>
<th>Description</th>
<th>Length in Meters</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPM</td>
<td>5 pin female</td>
<td>1 3 10</td>
<td>6241-1M 6241-3M 6241-10M</td>
</tr>
</tbody>
</table>
PIN CONNECTOR PINOUTS

TOTALIZER WITH PULSE OUTPUT

- WHITE: Not used
- BROWN: +24 Vdc power supply
- GRAY: Flow signal pulse output
- BLACK: Supply ground (redundant)
- BLUE: Supply ground

PIN CONFIGURATION:
- 1: +24 VDC power supply
- 2: Not used
- 3: Supply ground
- 4: Supply ground
- 5: Flow signal pulse output
Note: There is an internal 10K Ω pull-up resistor on the pulse output line (pin 5).

FLOW RATE WITH 4-20MA OUTPUT

- WHITE: 4-20 mA flow signal out
- BROWN: +24 Vdc supplied
- GRAY: Not used
- BLACK: Not used
- BLUE: Supply ground

CONFIGURATION:
- 1: +24 VDC power supply
- 2: 4-20 mA flow signal out
- 3: Power supply ground
- 4: Not used
- 5: Not used