Description
This flowmeter is made for water and low viscosity fluids compatible with materials of construction.
Features:
• Maximum flow rate of 50 GPM
• Designed for monitoring water add on concrete trucks
• Plastic end connections with Brass insert
• 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 3 wire
• Electrical Connection
  Pin Connector (standard)
  Weather pack

Material Specifications
Flow body of Brass and 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

Viton® is a registered trademark for DuPont Performance Elastomers.
How To Order  Select the appropriate symbols to build a model code:

## MODEL CODES

<table>
<thead>
<tr>
<th>SERIES</th>
<th>SYMBOL=FEATURE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>BODY MATERIAL</td>
</tr>
<tr>
<td>CX8</td>
<td>M6 = Brass with Polysulfone endcaps</td>
</tr>
<tr>
<td></td>
<td>CABLEING</td>
</tr>
<tr>
<td></td>
<td>C1* = 5 pin connector only</td>
</tr>
<tr>
<td></td>
<td>C7 = 4 feet of 3-wire cable added to the pin connector terminating in a PG7 “weather pack” connector</td>
</tr>
<tr>
<td></td>
<td>OUTPUT AND DISPLAY</td>
</tr>
<tr>
<td></td>
<td>D3* = Pulse out with 3 digit display of total</td>
</tr>
<tr>
<td></td>
<td>D1 = 4-20 mA out with 3 digit of rate display</td>
</tr>
<tr>
<td></td>
<td>D4E10 = pulse out no display</td>
</tr>
<tr>
<td></td>
<td>D4E1 = 4-20 mA out with no display</td>
</tr>
<tr>
<td></td>
<td>ORIENTATION</td>
</tr>
<tr>
<td></td>
<td>N2* = Flow up</td>
</tr>
<tr>
<td></td>
<td>N3 = Flow left</td>
</tr>
<tr>
<td></td>
<td>N1 = Flow right</td>
</tr>
<tr>
<td></td>
<td>N4 = Flow down</td>
</tr>
</tbody>
</table>

## FACE AND PIN CONNECTOR ORIENTATION WITH FLOW

![Flow Direction](image)

- **N1**: Flow right
- **N2**: Flow up
- **N3**: Flow left
- **N4**: Flow down

## PRESSURE DROP CHARTS

[Pressure Drop Graphs]

## 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>CX</td>
<td>5 pin female</td>
<td>1</td>
<td>6241-1M</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>6241-3M</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10</td>
<td>6241-10M</td>
</tr>
</tbody>
</table>
Note that on this option, the flow relay contacts are open collector switches. To get a pulse out, install an external 2-10 K Ohm resistor where indicated.

**TOTALIZER WITH PULSE OUTPUT**

**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**

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