

Max flow	50 GPM (190 LPM)	CPM 1 inch Rate or Total
Max pressure	200 PSI (13.6 bar) Polysulfone, 300 PSI (20 Bar) Brass	
Temperature range	35-150°F (2-66°C)	

CoolPoint™

UNIVERSAL[®] Flow Monitors

Flowmeter for
 Continuous or Batch
 Water Add on
 Concrete Trucks



Polysulfone CPM

Description

This flowmeter is for monitoring water add on concrete trucks. It operates in batch (total) mode or rate for continuous mix.

- No moving parts to hang up
- 1½% accuracy
- Not destroyed by compressed air
- 3 digit display optional

Electrical Specifications

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

Material Specifications

Flow bodies of brass or Polysulfone with PVDF sensors and Viton[®] seals standard.

User-Configurable Options

- Engineering units (GPM, LPM)

Instrument Specifications

- Max flow 50 GPM
- Flow
 Accuracy: ±1½% of indicated total
 1½% Full Scale for rate
 Turndown: 10:1
- Operating Pressure
 200 PSI (13.6 bar) Polysulphone,
 300 PSIG (20 Bar) Brass
- General
 Response time: 450 ms
 Fluid temperature limits: 35-150°F (2-66°C)
 continuous use.
 Enclosure rating: IP 65, Type 1, 3, 4, 12 and 13
- Pipe Connections:
 1 inch NPT female
- Pulse or 4-20 mA rate output
- Mounting lugs integral to body
- Back pressure of 10 PSIG required

Viton[®] is a registered trademark for DuPont Performance Elastomers.

How To Order Select the appropriate symbols to build a model code:

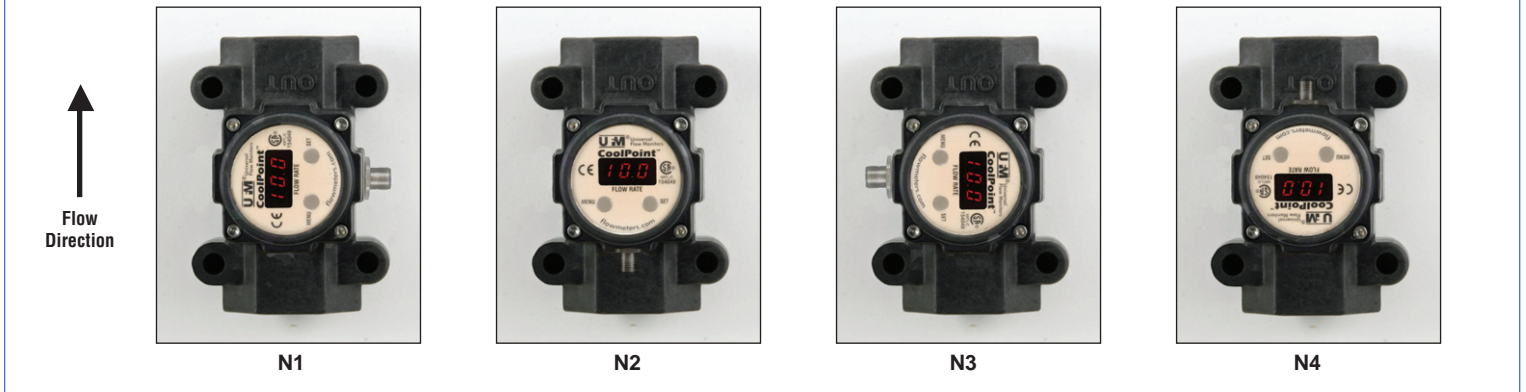
MODEL CODES

SERIES	SYMBOL=FEATURE			
	BODY MATERIAL	CABLING	OUTPUT AND DISPLAY	ORIENTATION
CPM8	-M1* = Brass -M5 = Polysulfone	C1* = 5 pin connector only C7 = 3 feet of 3-wire cable added to the pin connector terminating in a PG7 "weather pack" connector	D3* = Pulse out with 3 digit display of total D1 = 4-20 mA out with 3 digit of rate display D4E10 = pulse out no display D4E1 = 4-20 mA out with no display	N2* = Flow up N3 = Flow left N1 = Flow right N4 = Flow down

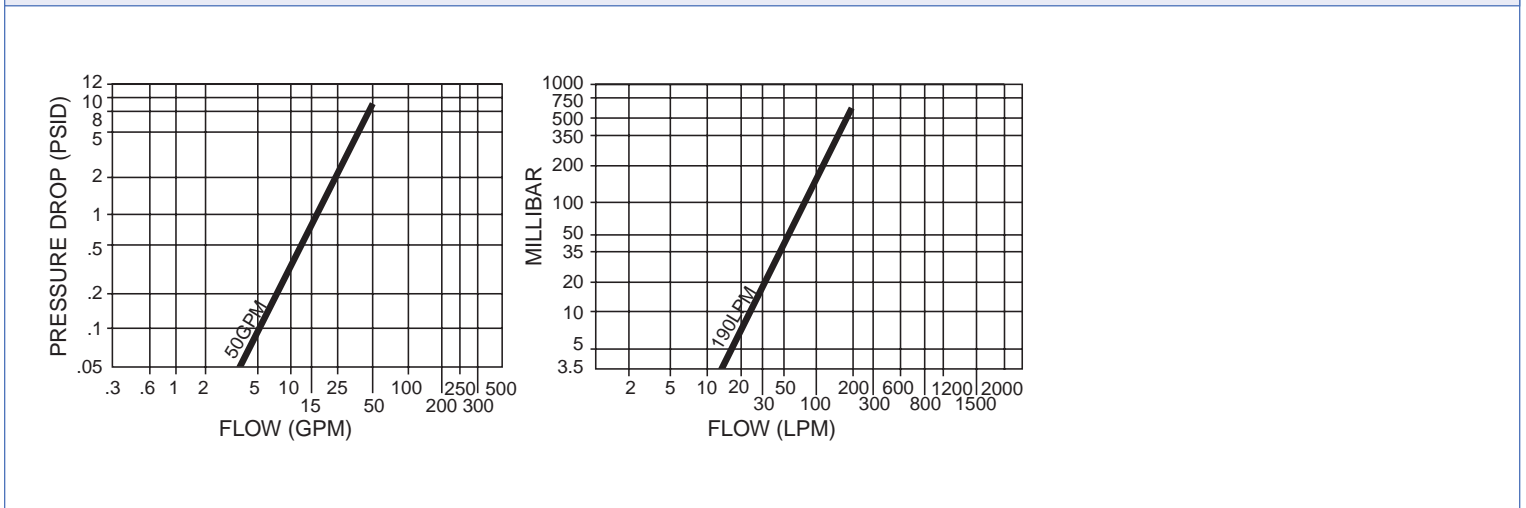
* Indicates this is a standard option for the product. If you leave this position blank, the assumption will be that this is the selection by default.

Example: CPM8-M5 is the same as CPM8-M5C1D3N2

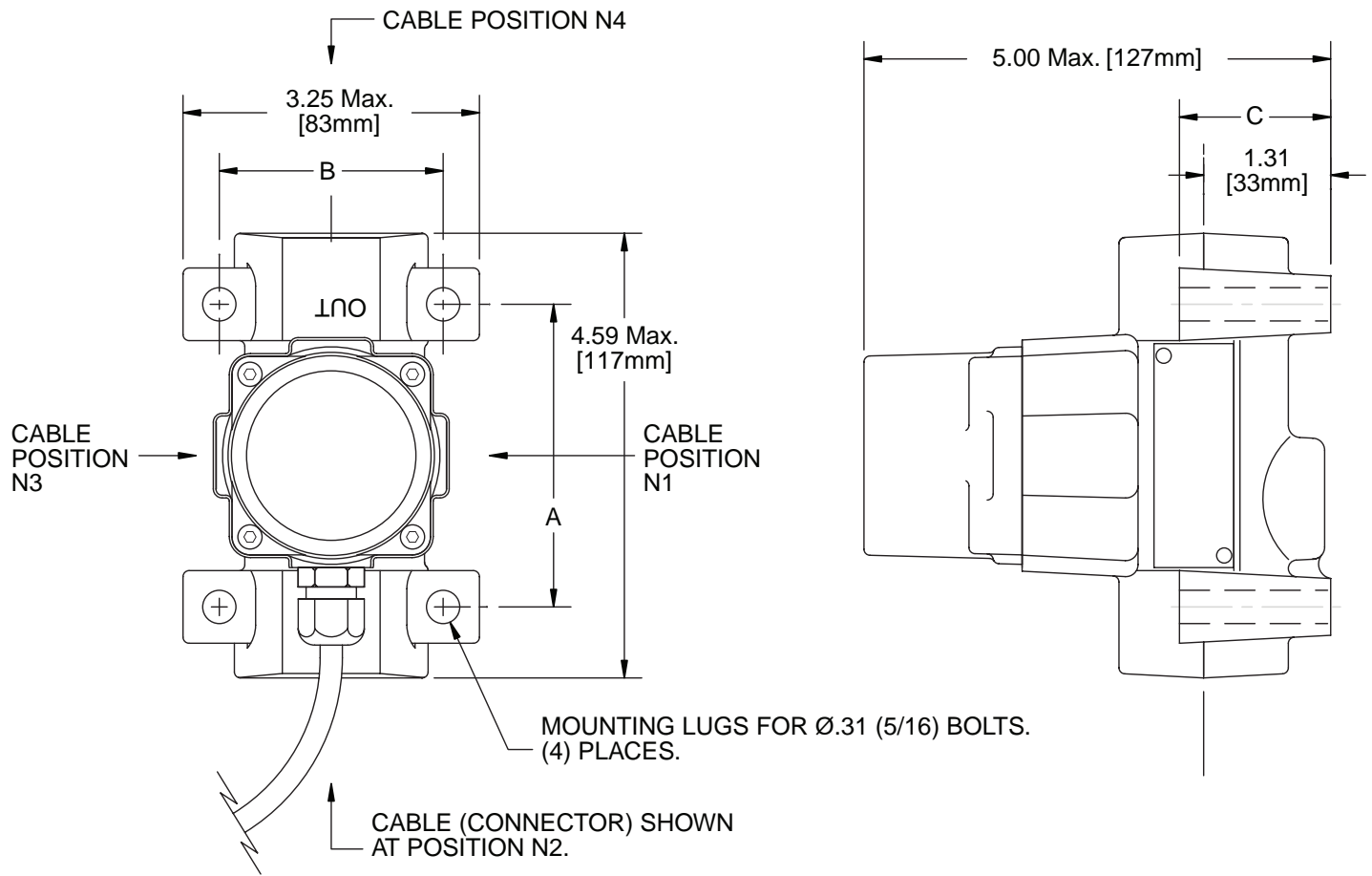
FACE AND PIN CONNECTOR ORIENTATION WITH FLOW



PRESSURE DROP



INSTALLATION DRAWING – BASIC METERS



Dimensions in Inches (mm)

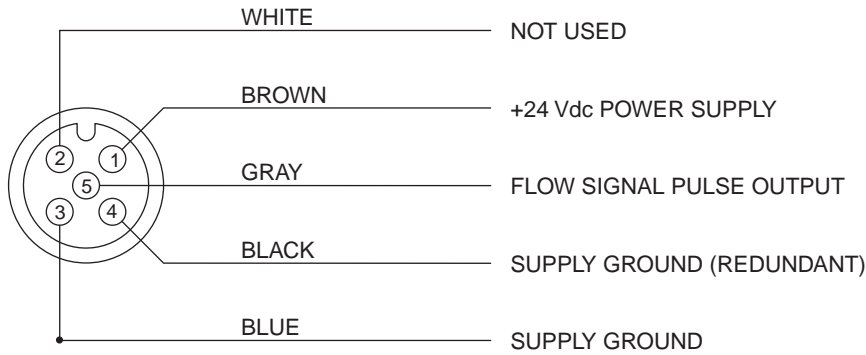
Body Material	A	B	C
M1	3.13 (79)	2.31 (59)	1.56 (40)
M5	2.88 (73)	2.50 (64)	2.00 (51)

ACCESSORY CABLES AVAILABLE FOR PIN CONNECTOR METERS

Series	Description	Length in Meters	Part Number
CP	5 pin female	1	6241-1M
		3	6241-3M
		10	6241-10M

PIN CONNECTOR PINOUTS

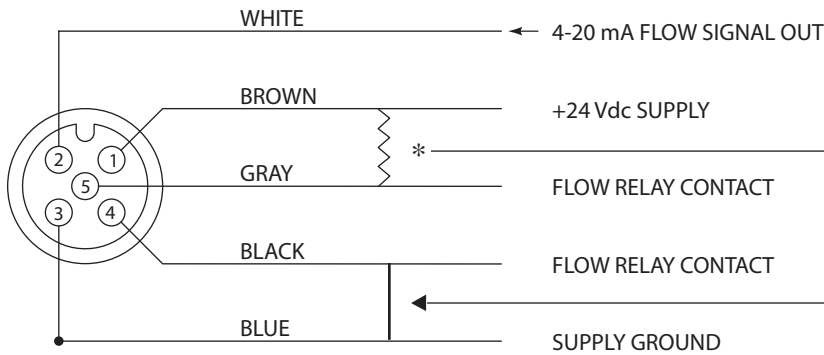
TOTALIZER WITH PULSE OUTPUT



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



To turn flow relay contact from a switch to a pulse out by externally connecting a 2K - 10K Ohm pull up resistor from power supply to one flow relay contact and connecting the other flow relay contact to supply ground.

CONFIGURATION:

- 1: + 24 VDC power supply
- 2: 4-20 mA flow signal out
- 3: power supply ground
- 4: flow relay contact
- 5: flow relay contact



Universal Flow Monitors, Inc.

1755 E. Nine Mile Road ▪ P.O. Box 249 ▪ Hazel Park, MI 48030
 Tel: 248-542-9635 ▪ Fax: 248-398-4274
www.flowmeters.com