

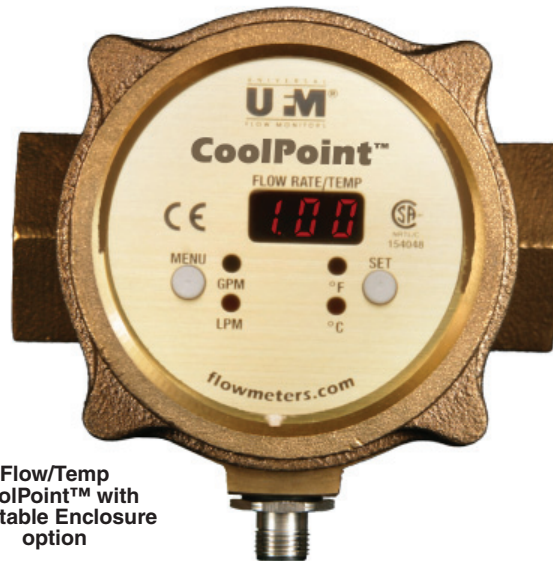
Maximum flow ranges from 25-200 GPM (95-750 LPM)
 Max pressure 300 PSI (20 Bar)
 Temperature range 32-210°F (2-99°C)

CT 1/4-2 inch Flow
 and Temperature
 Transmitter

UNIVERSAL[®] Flow Monitors

Vortex Shedding
 Flowmeter and
 Temperature Transmitter

CoolPoint™



Flow/Temp
 CoolPoint™ with
 Rotatable Enclosure
 option

Description

This flowmeter/temperature transmitter is made for water, water/glycol coolant or low viscosity fluids. It has the following features:

- Flow rate transmitter 4-20 mA
- Temperature transmitter 4-20 mA
- Solid state relay can be configured as alarm or pulse out
- LED digital display
- No moving parts to clog or wear
- Certified CSA and CE

Electrical Specifications

- Input Power: 10 - 30 VDC @ 80 mA
- Output: 4-20mA for flow with solid state relay configurable for set point or pulse out
- Output: 4-20mA for temperature
- Electrical Connection
 - Pin Connector (standard)
 - Pigtails (optional)
 - Junction Box with terminal strip (optional)

Material Specifications

Flow bodies of brass or 316 Stainless Steel with PVDF sensors and Viton[®] seals standard. PEEK sensors used for high temp for fluids above 150° F.

User-Configurable Options

Features that are selectable on 4-20 mA units include:

- Selectable alarm state (N.O. or N.C.)
- Set point or pulse output
- Engineering units (GPM, LPM)
- Fahrenheit or Celsius

Instrument Specifications

- Flow
 - Visual readout: 3 digit LED, 0.3" digit height
 - Response time: 450 ms.
 - Deadband for alarm: 5% of full scale (maximum flow)
 - Accuracy: ±2% full scale
 - Repeatability: ±.25% of indicated
 - Turndown (ratio of max to minimum flow rates):10:1 at all temperatures and 20:1 available optionally for standard temperatures.
- Temperature
 - Response time: 1 1/2 seconds to 66% of change
 - Deadband for alarm: ±2% full scale
 - Accuracy: ±3% of indicated temperature
 - Repeatability: ± .25% of indicated
 - Output: 4 mA @32°F, 20mA @210°F linear
- Pressure
 - 300 PSIG (20 Bar) operating pressure
- General
 - Fluid temperature limits: 35-150° F (2-66° C) standard, 150-210° F (66-99° C) optional.
 - Enclosure rating: IP 65, Type 1, 3, 4, 12 and 13
- Pipe Connections:
 - Female NPT, BSPP & BSPT
- Back pressure of 10 PSIG usually required. (See manual for elevated temperature.)

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

MODEL CODES

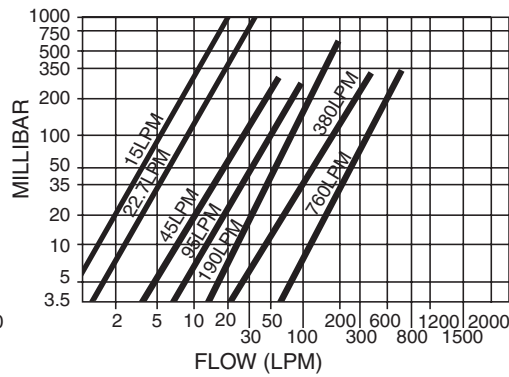
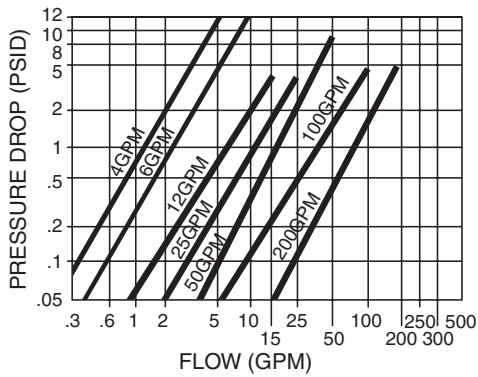
Flow maximum GPM (LPM)	Pipe size in inches	Model code	Material	Thread options available	Connector or conduit box options available	Special options
4 (15)	1/4	CT2	-M1*=Brass	T1 *=NPT	C1 *=Pin connector	W1 =20:1 extended turndown** E20 =High temp (150-210° F)
6 (23)	3/8	CT3	-M2=316 Stainless Steel	T2 =BSPT	C2 =Pig tails	
12 (45)	1/2	CT4		T3 =BSPP	C3 =Conduit box, terminal strip	
25 (95)	3/4	CT6				
50 (190)	1	CT8				
100 (380)	1 1/2	CT12				
200 (750)	2	CT16				

* Indicates default selection. If no selection is made, this option is assumed.

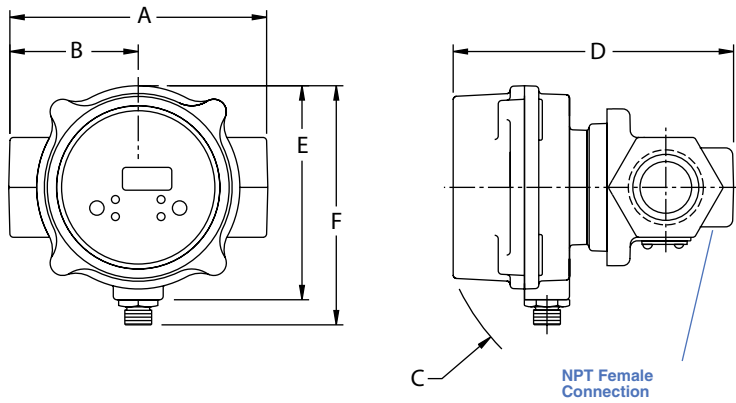
Example: CT6 is the same as CT6-M1T1C1.

** Not available on CT6-F1
** Needs grounding
** Turndown is 20:1 standard temp.

PRESSURE DROP

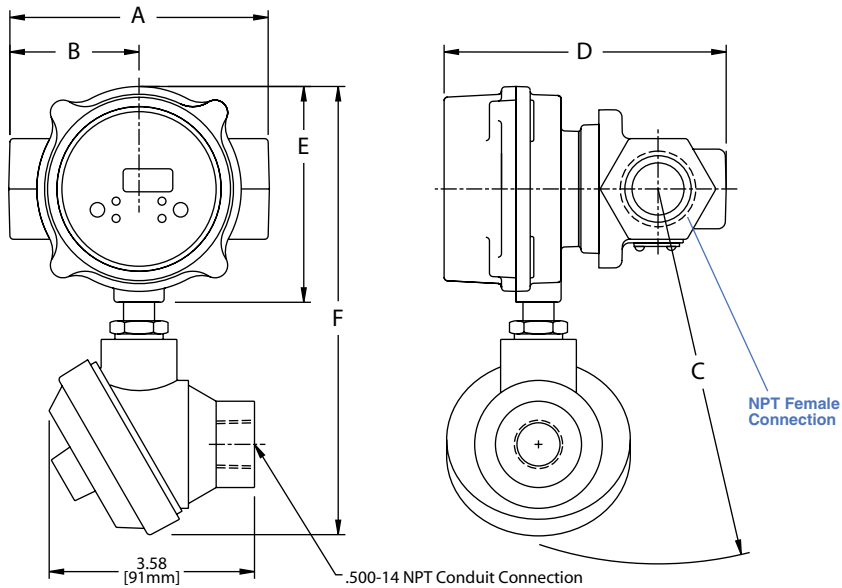


INSTALLATION DRAWING – BASIC METERS



Size	A	B	C	D	E	F
CT2 through CT8	4.50 [113mm]	2.25 [57mm]	4.04 [103mm]	4.92 [125mm]	3.75 [95mm]	4.19 [113mm]
CT12 and CT16	6.75 [171mm]	3.37 [86mm]	4.71 [120mm]	6.14 [156mm]	3.75 [95mm]	4.19 [106mm]

INSTALLATION DRAWING – METERS WITH OPTIONAL JUNCTION BOX



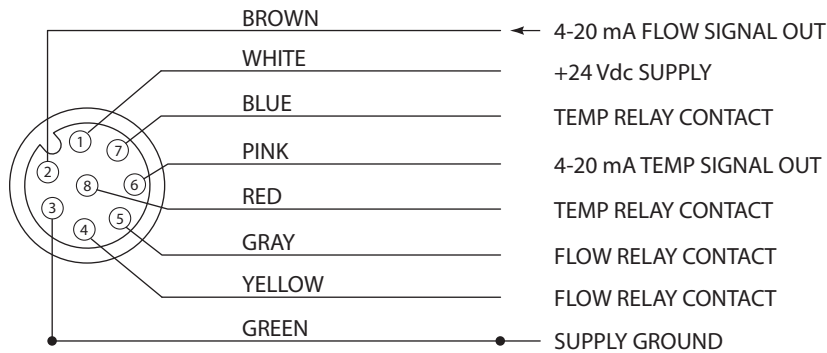
Size	A	B	C	D	E	F
CT2 through CT8	4.50 [114mm]	2.25 [57mm]	6.52 [166mm]	4.92 [125mm]	3.75 [95mm]	7.79 [198mm]
CT12 and CT16	6.75 [171mm]	3.37 [86mm]	6.87 [175mm]	6.14 [156mm]	3.75 [95mm]	7.79 [198mm]

ACCESSORY CABLES AVAILABLE FOR PIN CONNECTOR METERS

Series	Description	Length in Meters	Part Number
CT	8 pin female	2	6242-2M
		5	6242-5M
		10	6242-10M

PIN CONNECTOR PINOUTS

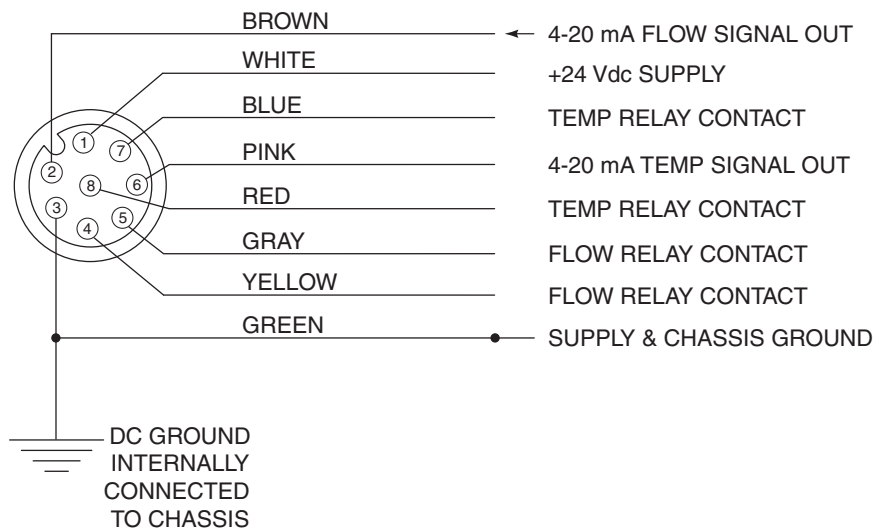
CT



PIN CONFIGURATION:

- 1: + 24 VDC power supply
- 2: 4-20 mA flow signal out
- 3: supply ground
- 4: flow relay contact
- 5: flow relay contact
- 6: 4-20 mA temp signal out
- 7: temp relay contact
- 8: temp relay contact

CT WITH W1 OPTION (GROUNDED)



PIN CONFIGURATION:

- 1: + 24 VDC power supply
- 2: 4-20 mA flow signal out
- 3: supply & chassis ground
- 4: flow relay contact
- 5: flow relay contact
- 6: 4-20 mA temp signal out
- 7: temp relay contact
- 8: temp relay contact