

Maximum flow ranges from Max pressure Temperature range

4-200 GPM (15-750 LPM) 300 PSI (20 Bar) 32-210°F (2-99°C)

CT 1/4-2 inch Flow and Temperature Transmitter

UNIVERSAL® Flow Monitors

Vortex Shedding Flowmeter and **Temperature Transmitter**



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

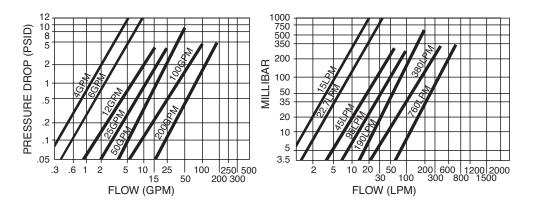
Flow maximum GPM (LPM)	Pipe size in inches	Model code	Material	Thread options available	Connector or conduit box options available	Special options
4 (15)	1/4	CT2	-M1*=Brass	T1 *=NPT	C1*=Pin connector	
6 (23)	3/8	СТЗ	-M2=316 Stainless Steel	T2=BSPT	C2=Pig tails	W1=20:1extended turndown**
12 (45)	1/2	CT4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

2

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

Example: CT6 is the same as CT6-M1T1C1.

PRESSURE DROP

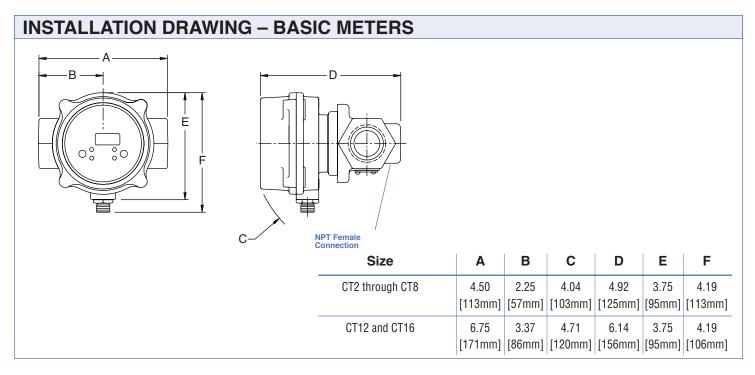


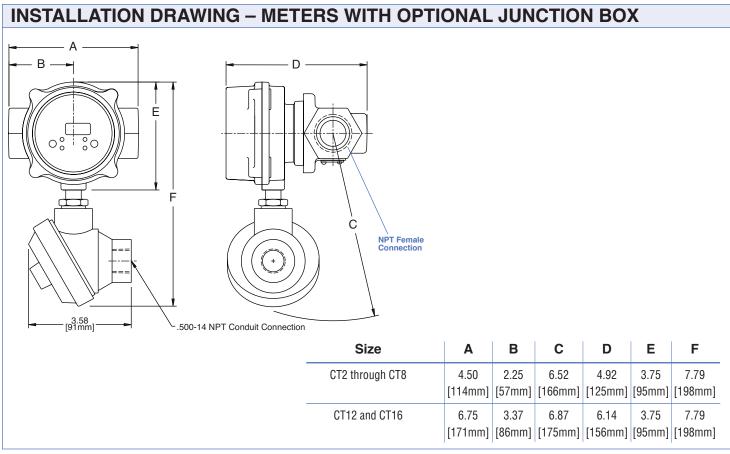
CT110414

^{**} Not available on CT2

^{**} Needs grounding

^{**} Turndown is 20:1 standard temp.

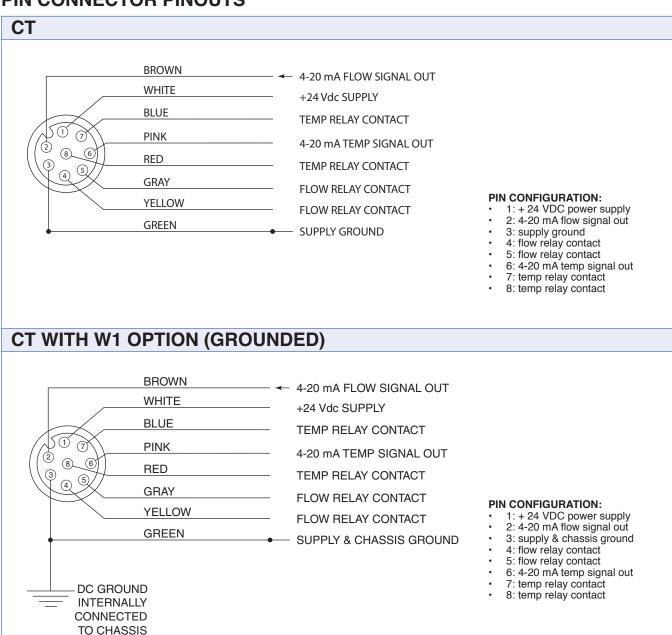




ACCESSORY CABLES AVAILABLE FOR PIN CONNECTOR METERS							
Series	Description	Length in Meters	Part Number				
CT	8 pin female	2 5 10	6242-2M 6242-5M 6242-10M				

3 CT110414

PIN CONNECTOR PINOUTS





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