

CamCor Coriolis Flow Meters

CT and PRO Series, for all custody transfer and process applications

TECHNOLOGY



CamCor™ CT Series Coriolis Flow Meter

Specifically Designed for Custody Transfer Applications

Precision accuracy, dual deep “U” sensor tubes, Cameron’s top-of-the-line Coriolis flow meter offers highest performance for accuracy, repeatability, wide flow range, low pressure loss, and safe design.

Features

- Deep “U” shaped dual sensors maximize accuracy
- Flow rate turndown up to 200:1
- Transmitters available as integral or remote-mounted
- Low-temperature models suitable for cryogenic fluids, like LNG
- High-temperature models suitable on temperatures up to and over 600° F (315° C)
- Extensive I/O count, including dual independent pulse outs, dual independent analog outs, status in, and status out
- Communications: Modbus® RS-485 and HART® compliant
- Easy configuration via infrared sensors or interface software
- Self-diagnostic display – informs user of potential problems
- Diagnostic check for pipeline vibration and media pulsation



CamCor CT Coriolis Flow Meter

Model	CC006, CC010, CC015, CC025, CC040, CC050, CC080, CC100, CC150, CC200, CC250	
Nominal Connection Size	1/2", 1", 1.5", 2", 3", 4", 6", 8", 10"	
Process Connection Types (Depends on Sensor Size)	ANSI Flanges – 150#, 300#, 600#, 900# RF & RTJ	
	DIN PN 10, 16, 25, 40RF; Ferrule; Threaded	
Acceptable Media	Liquids, Gases	
Nominal Flow Range (Other Ranges Available)	CC006: 0-720 kg/hr (0-3.17 GPM of Water) CC250: 0-2,800,000 kg/hr (423,043 BPD of Water)	
Flow Rate Uncertainty	Liquids	+/- 0.1% of Reading (+/- Zero Stability Error)
	Gases	+/- 0.5% of Reading (+/- Zero Stability Error)
Density Uncertainty	+/- 0.0005 g/ml (CC006 thru CC250)	
Operating Temps	Standard Sensor	-4° F to 194° F (-20° C to 90° C) Process Temp with Integral Xmtr; -40° F to 392° F (-40° C to 200° C) Process Temp with Remote Xmtr
	High Temp Sensor	-4° F to 662° F (-20° C to 350° C) Process Temp with Remote Xmtr
	Low Temp Sensor	-328° F to 122° F (-200° C to 50° C) Process Temp with Remote Xmtr
	Transmitter	-40° F to +131° F (-40° C to +55° C) – Ambient Temp
Max Working Press	Limited by Flange Rating and Wetted Materials	
Wetted Materials	316/316L SST; Hastelloy Alloy C22	
Hazardous Location Certification (Explosion-Proof*/Flame-Proof*)	CSA C/US Class I Zone 1 Ex d ib IIB T4 Gb (Integral) CSA C/US Class I Zone 1 Ex d [ib] IIB T6 Gb (Remote) ATEX / IECEx II2G Ex d ib IIC T4 Gb (Integral) ATEX / IECEx II2G Ex d [ib] IIC T6 Gb (Remote)	
Dust-Proof/Waterproof*	IP66/IP67	

Other hazardous area approvals available on request, including GOST and KOSHA.

*Explosion-Proof, Flame-Proof, and Waterproof as defined by CEC, NEC, ATEX, IEC and CE codes.

CamCor™ PRO Series Coriolis Flow Meter

Ideal for Oil Field Production Applications

High accuracy, dual shallow “bow” sensor tubes. Cameron’s process-grade Coriolis flow meter offers high performance for accuracy, repeatability, wide flow range, low pressure loss, and safe design.

Features

- Shallow “bow” shaped dual sensors maximize accuracy
- Flow rate turndown up to 50:1
- Transmitters available as Integral or remote-mounted
- Extensive I/O count, including dual independent pulse outs, dual independent analog outs, status in, and status out
- Communications: Modbus® RS-485 and HART® compliant
- Easy configuration via infrared sensors or interface software
- Self-diagnostic display – informs user of potential problems
- Diagnostic check for pipeline vibration and media pulsation



CamCor PRO Coriolis Flow Meter

Model	CP006, CP010, CP015, CP025, CP040, CP050	
Nominal Connection Size	1/2", 1", 1.5", 2"	
Process Connections (Depends on Sensor Size)	ANSI Flanges – 150#, 300#, 600# RF & RTJ	
	Ferrule	
Acceptable Media	Liquids	
Flow Range	CP006: 0-1200 kg/hr (0-5.3 GPM of Water) CP050: 0-96,000 kg/hr (0-14,504 BPD of Water)	
Flow Rate Uncertainty	+/- 0.2% of Reading (+/- Zero Stability Error)	
Density Uncertainty	+/- 0.003 g/ml	
Operating Temps	Sensor	-40° F to 176° F (-40° C to 80° C) Integral Xmtr (except model CP015); -40° F to 158° F (-40° C to 70° C) Integral Xmtr (model CP015); -40° F to 257° F (-40° C to 125° C) Remote Xmtr
	Transmitter	-40° F to 131° F (-40° C to 55° C)
Max Working Press	Limited by Flange Rating and Wetted Materials	
Wetted Materials	316/316L SST	
Hazardous Location Certification (Explosion-Proof*/Flame-Proof*)	CSA C/US Class I Zone 1 Ex d ib IIB T4 Gb (Integral) CSA C/US Class I Zone 1 Ex d [ib] IIB T6 Gb (Remote) ATEX / IECEx II2G Ex d ib IIB T4 Gb (Integral) ATEX / IECEx II2G Ex d [ib] IIC T6 Gb (Remote)	
Dust-Proof/Waterproof*	IP66/IP67	

Other hazardous area approvals available on request, including GOST and KOSHA.

*Explosion-Proof, Flame-Proof, and Waterproof as defined by CEC, NEC, ATEX, IEC and CE codes.

The CamCor CT series and PRO series Coriolis flow meters deliver high accuracy and repeatability, wide flow range, and low pressure loss.

Large time-stamped event log

Assignable alarms

Displays smart error codes

Unique vibration and pulsation detection diagnostics

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United States

14450 JFK Blvd.
Houston, TX 77032
Tel 1 281 582 9500
ms-us@c-a-m.com

34762 Lencioni Ave.
Bakersfield, CA 93308
Tel 1 661 387 6813

4040 Capital Ave.
City of Industry, CA 90601
Tel 1 562 222 8440
ms-industry@c-a-m.com

7003 E 47th Avenue Drive
#A-1000
Denver, CO 80216
Tel 1 303 429 7707

197 Equity Blvd.
Houma, LA 70360
Tel 1 985 868 1514

302 Toledo Drive
Lafayette, LA 70506
Tel 1 337 234 1824

6914 Westport Ave.
Shreveport, LA 71129
Tel 1 318 682 9700

7300 Nix Drive
Duncan, OK 73533
Tel 1 580 470 9600

5125 S Garnett Road, Suite E
Tulsa, OK 74146
Tel 1 918 665 7999

1000 McClaren Woods Drive
Coraopolis, PA 15108
Tel 1 724 273 9300

6941 Leopard St.
Corpus Christi, TX 78409
Tel 1 361 883 4489

3201 Maverick Drive
Kilgore, TX 75662
Tel 1 903 984 8651

4580 W Wall St.
Midland, TX 79703
Tel 1 432 694 9644

12311 W County Road 127
Odessa, TX 79765
Tel 1 432 561 9822

8639 S 190th St.
Kent, WA 98031
Tel 1 253 850 0201

806 N Foster Road
Casper, WY 82601
Tel 1 307 265 9241

Canada

7944 10th St. NE
Calgary, Alberta T2E 8W1
Tel 1 403 291 4814
ms-canada@c-a-m.com

#208, 4207 98th Street
Edmonton, AB T6E 5R7
Tel 1 780 468 2941

Latin America

Rua da Assembleia, 98 - 21 Andar
Rio de Janeiro, RJ Brazil 20011-000
Brazil
Tel 55 21 2172 9714

Goldsmith 53, 3er piso, Col. Polanco
Mexico City, D. F. 11560
Mexico
Tel 52 55 5395 4162

Europe, Africa, Caspian, and Russia

3 Steyning Way
Southern Cross Trading Estate
Bognor Regis
West Sussex PO22 9TT England, UK
Tel 44 1243 826741
ms-uk@c-a-m.com

Longfield Road
Tunbridge Wells, Kent TN2 3EY
England, UK
Tel 44 1892 518000
ms-jiskootuksales@c-a-m.com

Trekhprudny per.9, Bld.2
123001, Moscow, Russia
Tel 7 495 225-1818
Cameron.Moscow@c-a-m.com

Asia Pacific

Floor 17, Tower A, Chengjian Plaza
No.18 Beitaipingzhuang Road
Haidian District 100088
Beijing, China
Tel 86 10 5320 9400
ms-china@c-a-m.com

501, Lotus Residency, 5th floor
Kothrud, Pune – 411038
Tel 91-9822431686
ms-ind@c-a-m.com

Suite 16.02 Menara AmFirst
No. 1 Jalan 19/3
46300 Petaling Jaya
Selangor Darul Ehsan
Malaysia
Tel 603 7954 0145
ms-kl@c-a-m.com

Middle East

Middle East FZE
Plot No S10408, South Zone
PO Box 263011
Jebel Ali, Dubai, UAE
Tel 971 4 802 7700
ms-uk@c-a-m.com

**HSE Policy Statement**

At Cameron, we are committed ethically, financially and personally to a working environment where no one gets hurt and nothing gets harmed.