

➤ GENERAL

CT-CMF Coriolis mass flowmeters are the leading precision flow and density measurement solution offering the most accurate and repeatable mass measurement for liquids, or slurries. CT-CMF meters offer the most accurate measurement available for virtually any process fluid, while exhibiting exceptionally low pressure drop.

➤ FEATURES

- Unchallengeable CT-CMF performance on liquid mass flow, volume flow, and density measurement
- Unique design delivers unparalleled measurement sensitivity and stability
- Guarantees consistent, reliable performance over the widest flow range
- Designed to minimize process, mounting, and environmental effect

➤ APPLICATIONS

Low Flow Precision Measurement	Precision Measurement & Process Control	High Capacity Precision Measurement
Starting at 2kg/hr to 330kg/hr Flavoring Vials Chemical injection	Kg/min – tons/hr Truck loading Internal allocation Leak detection Produced fluids with chlorides	Up to 1,200 tons/hr Custody transfer Ship loading Railcar loading Pipeline measurement Marine bunkering Feedstock and fuel blending



➤ LIQUID FLOW RATES

Model	Nominal Size (mm)	Flow rate (t/hr)
CT-CMF-006	6	0~0.56~0.7
CT-CMF-008	8	0~0.96~1.2
CT-CMF-010	10	0~1.8~2.1
CT-CMF-015	15	0~3.6~4.5
CT-CMF-020	20	0~6~7.2
CT-CMF-025	25	0~9.6~12
CT-CMF-032	32	0~18~21
CT-CMF-040	40	0~30~36
CT-CMF-050	50	0~48~60
CT-CMF-080	80	0~150~180
CT-CMF-100	100	0~240~280
CT-CMF-150	150	0~480~600

➤ SENSOR SPECIFICATIONS

- Accuracy: $\pm 0.1 \sim 0.5\%$
- Repeatability: $\pm 0.1 \sim 0.25\%$
- Density measurement range: $0.5 \sim 2 \text{ g/cm}^3$, Accuracy: $\pm 0.002 \text{ g/cm}^3$
- Operating temperature: $-50 \sim +200^\circ\text{C}$
- Ambient temperature: $-40 \sim +60^\circ\text{C}$ or $-20 \sim +55^\circ\text{C}$
- The measuring tube material: SS316L; The housing material: SS304
- Nominal pressure: 4.0MPa
- Ex-proof: Exd (ia) IIC T6Gb

➤ TRANSMITTER SPECIFICATIONS

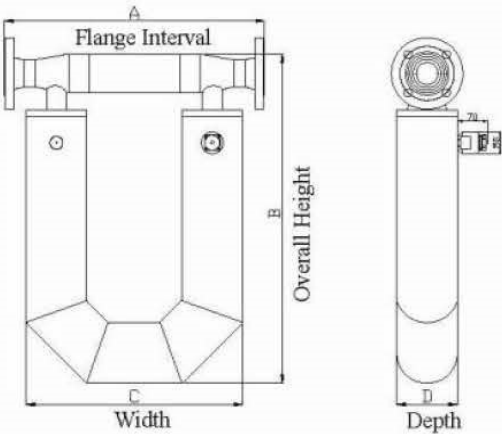
Item	CT-522 LCD
Picture	
Principle	Analog signal processing
Ambient temperature	$-20 \sim 60^\circ\text{C}$
Display info	Mass flow; Volume flow, Density, Temperature
Display mode	LCD
Power supply	24VDC/220VAC
Output signal	Pulse/4-20mA
Communication	Modbus / Hart
Ex-proof	Exd (ia) IIC T6Gb



DIMENSION

Split-type

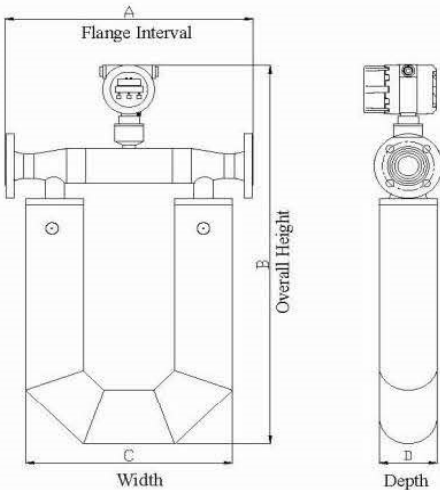
Unit:mm



Model	A	B	C	D
CT-CMF015	455	500	500	89
CT-CMF020	540	540	445	108
CT-CMF025	540	560	445	108
CT-CMF032	550	570	445	108
CT-CMF040	600	840	500	140
CT-CMF050	600	840	500	140
CT-CMF080	870	1150	780	220
CT-CMF100	950	1200	840	295
CT-CMF150	1300	1350	950	320

Integral type

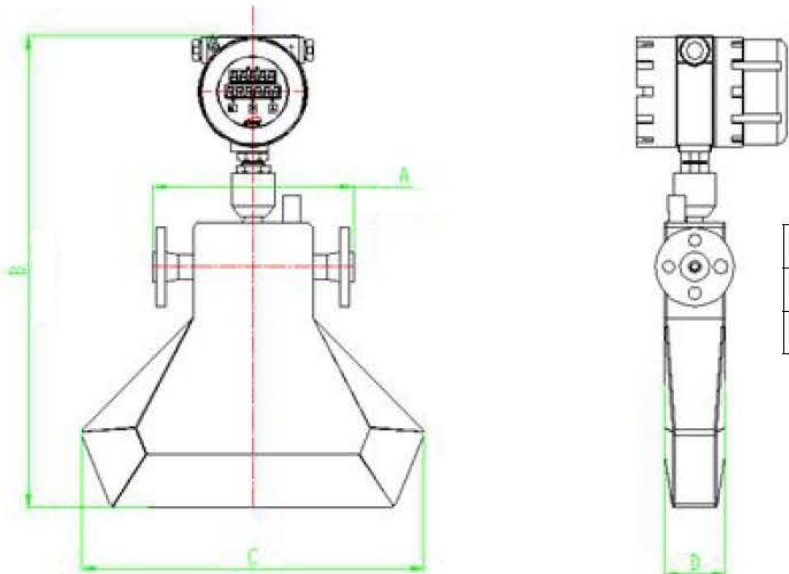
Unit:mm



Model	A	B	C	D
CT-CMF015	455	540	500	89
CT-CMF020	540	740	470	108
CT-CMF025	540	740	445	108
CT-CMF032	550	740	445	108
CT-CMF040	600	1010	500	140
CT-CMF050	600	1010	500	140
CT-CMF080	870	1365	780	220
CT-CMF100	950	1440	840	295
CT-CMF150	1300	1540	950	320

Small size (CT-CMF-008/CT-CMF-006)

Unit:mm



Model	A	B	C	D
CT-CMF006	232	521	360	70.5
CT-CMF008	232	535	395	70.5