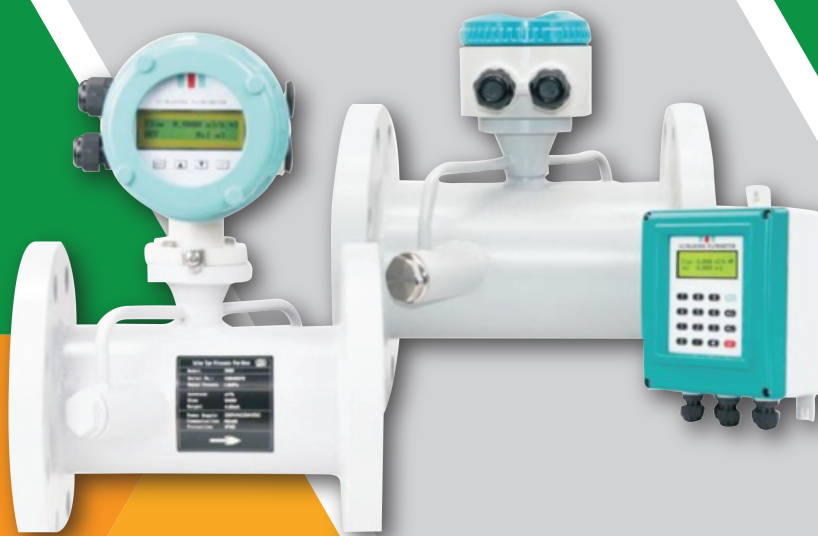


Inline Single Channel Ultrasonic Flow Meter



(VSONIC 15000 SERIES)

WORKING PRINCIPLE

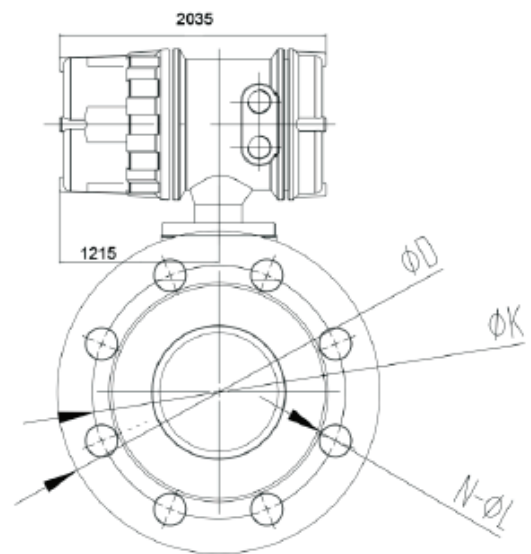
Ultrasonic flow meters operate using the transit-time differential method technology. A sound wave travelling in the direction of flow of the product is propagated at a faster rate than one travelling against the flow ($v_{AB} > v_{BA}$). Transit times t_{AB} and t_{BA} are measured continuously.

TECHNICAL SPECIFICATIONS

Pipe Size	40 to 300 mm	Power Supply	85 – 264 VAC
			8 – 36 VDC
Accuracy	$\pm 1\%$ FS (0.5 – 10m/s)	Output	One way 4 – 20Ma, OCT Pulse, Relay
		Structure	Compact, Remote
Repeatability	$\pm 2\%$	Flange Class	ANSI 150#, ANSI 300#,ANSI 600#,
Protection	IP 65		Others
Sensor Material	SS04, SS316	Pressure	1.6 MPA, Others
Pipe Material	Carbon steel	Temperature	-30 to 85 deg C, 150 deg C

FLOW RATE CHART

SL NO	Model	LINE SIZE (mm)	FLOW RATE (m3/hr)
1	VSAN-UFM-40	40	4 – 40
2	VSAN-UFM-50	50	6.3 – 63
3	VSAN-UFM-65	65	10 – 100
4	VSAN-UFM-80	80	16 – 160
5	VSAN-UFM-100	100	25 – 250
6	VSAN-UFM-125	125	44 – 440
7	VSAN-UFM-150	150	63 – 630
8	VSAN-UFM-200	200	100 – 1000
9	VSAN-UFM-250	250	200 – 2000
10	VSAN-UFM-300	300	254.47 – 2544.7



Model	Diameter ØD1(mm)	L (mm)	ØD (mm)	K (mm)	N*L (mm)	H (mm)
VSAN-UFM-40	40	300	127	98.6	4- Ø15.7	289
VSAN-UFM-50	50	300	152.4	120.7	4- Ø19.1	301
VSAN-UFM-65	65	300	177.8	139.7	4- Ø19.1	321
VSAN-UFM-80	80	300	190.5	152.4	4- Ø19.1	335
VSAN-UFM-100	100	300	228.6	190.5	8- Ø19.1	354
VSAN-UFM-125	125	300	254	215.9	8- Ø22.4	382
VSAN-UFM-150	150	300	279.4	241.3	8- Ø22.4	412
VSAN-UFM-200	200	350	342.9	298.5	8- Ø22.4	470
VSAN-UFM-250	250	450	406.4	362	12- Ø25.4	529
VSAN-UFM-300	300	500	482.6	431.8	12- Ø25.4	582

MODEL CODE DESCRIPTION

1	2	3	4	5	6	7	8	9	10
VSAN	DN15	C	CS	T1	DC	DC	5	WT	A

1	BRAND NAME					
2	NOMINAL DIAMETER					
3	STRUCTURE					
	COMPACT	A	REMOTE	B		
4	SENSOR MATERIAL					
	CS	A	SS304	B	SS316	C
5	PROCESS TEMPERATURE					
	-30 TO 85 DEG C	A		-30 TO 150 DEG C	B	
6	POWER SUPPLY					
	8 – 36 VDC	DC		85 – 264 VAC	VC	
7	CABLE LENGTH					
	5 M x2 (Std single cable length)			A		
	Optional Cable length			B		
8	PROTECTION GRADE					
	IP65 transmitter + IP65 transducers			5		
	IP65 transmitter + IP68 transducers			8		
9	TEMPERATURE SENSOR					
	WITHOUT	A		WITH PT100	B	
10	PROCESS CONNECTION					
	FLANGE DN	D	ANSI	A	JIS	J
	THREAD			T		



Head Office:

VSAN ELECTRICALS AND SENSORS

No: 10, Rajarajan Nagar Extension, Krishna Industrial Estate,
Vanagaram, Chennai - 600 095. Tamilnadu.

Mob: **+91 97514 75618 / +91 99620 98274.**

E-mail: sales@vsansensors.com / vsansensors@gmail.com

Web: www.vsansensors.in