

Variable Area Flow Meter



SH250-Variable Area Flow Meter

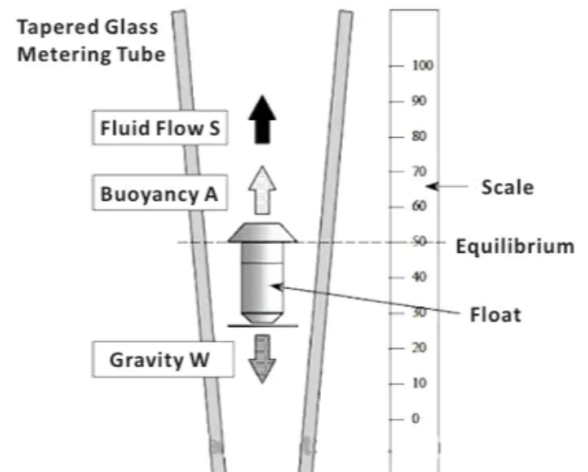
The Product

The variable area flow meter is an instrument for measuring the flow of liquids. It features a mechanical display and LCD Display.

Applications

- Gas supply equipment
- Electric power
- Petroleum
- Chemical
- Metal
- Medical

Technical Data



Accuracy	±1.5% of rate; ±2.5% of rate
Pressure	DN15-DN50 4.0Mpa; DN65-DN200 1.6Mpa
	-80°C...200°C; DN15-DN100: 10Mpa 200°C...350°C; DN15-DN100: 6.3Mpa (High pressure requirement)
Pressure Loss	7Kpa - 70kPa
Medium Temp	SS304 (standard type) : -20°C...+120°C PTFE: -40°C...+70°C PFA: -40°C...+120°C High Temp.: +120°C...+450°C Low temp.: -80°C...-20°C
Viscosity	DN15:<5mPa, S; <30mPa.s
	DN25:250mPa.s
	DN50-DN150:<300mPa.s
Ambient Temp. Electrical Inte	Mechanical type: -40°C...+120°C
	Digital type: -40°C...+70°C; Explosion proof type: -40°C...+60°C
Electrical Interface	Electrical connection: 1/2" NPT; M20x1.5
Power Supply	Standard type (SS304): 24V DC (12V DC-32V DC); Two-wire system
	With alarm function type: 24V DC (18V DC-32V DC); Multi-wire system
	220V AC (90V AC-242V AC) 50-60Hz; Multi-wire system
	Battery 3.6V @ 9AH Lithium battery
Protection	IP65; IP67 (round type)
Explosion-proof	ExiallCT1-5; ExdllBT1-6 (round type)

Model Selection

Model	Suffix Code										Description
SH250-	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	Variable Area Flow Meter
Diameter											015: DN15 100: DN100 200: DN200
Converter Type	N										Mechanical Display; No Output
	A1										Mechanical Display; Pulse Output
	A2										Mechanical Display; 4-20mA Output; 24V DC
	B										LCD Display; No Output; Battery
	C										LCD Display; Pulse Output; 24V DC; 4-20mA output, Two-wire system
	D										LCD Display; 4-20mA+Pulse Output; 24V DC power supply, Multi-wire system
	Notice: RS485 and Hart are optional for C and D converter										
Flow Range		XX									Refer to the Flow Range Table
Fluid			L								Liquid
			G								Gas
Material				S4							Body and Float: SS304
				S6							Body and Float: SS316
				SF							Body: SS304; Float and liner: PTFE
				SL							Body: 316L; Float: 316L
				XX							On request
Installation					V						Vertical Installation(from bottom to top)
					H						Horizontal Installation
					XX						On request
Structure							1				Standard Structure
							2				Jacket type (pressure level of the jacket part is 1.6MPa, special type is negotiable)
							3				Damping type (selected when measuring gas medium)
							4				High temp. type (medium temperature 120°C-450°C)
							5				Low temp. type (medium temperature -80°C-20°C)
							6				High pressure type (see the description of the technical parameters pressure level high pressure type)
Explosion Proof								NA			Safety Field without Ex-proof
								BT			ExdIIBT1-6(round type)
								CT			ExialICT1-5
Connection									DXX		D16: DIN PN16 Flange; D25: DIN PN25 Flange...
									AXX		A15: ANSI 150# Flange; A30: ANSI 300# Flange...
									JXX		J10: JIS 10K Flange; J20: JIS 20K Flange...
									THR		Thread (Diameter ≤ DN100)
									TRC		Tri - clamp (Diameter ≤ DN100)
Communication										0	No Communication
										1	Modbus (Only for D converter type)
										2	Hart (Only for C converter type)
										X	On request

Accessories: Magnetic filter

Variable Area Flow Meter Selection Guide

SH250-50-N-S50.-L-S4-V-1-NA-D16-0

SH250: Variable Area Flow Meter

50: DN50

N: Mechanical Display; No Output

S50.: S50.1

L: Liquid

S4: Body and Float: SS304

V: Vertical Installation(from bottom to top)

1: Standard Structure

NA: Safety Field without Ex-proof

D16: DIN PN16 Flange

0: No Communication