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Products Catalog for Flow Meter

Metal Pipe/Rotameter/Variable-area Flowmeter




Measuring range	Water:1-200000L/H(20°C)
	Air: 0.03~6000m ³ /h (20°C, 0.1013MPa)
Measuring range proportion	Standard: 10:1; Special: 20:1
Accuracy class	Standard:1.5; Special: 1.0
Pressure class	Standard:DN15~DN50≤4.0MPa;
	High pressure:DN15~DN50≤
Pressure loss	7Kpa-70kpa
Medium Temperature	Standard:-40°C~+100°C; PTFE:-50°C~+100°C
	High pressure:110°C~+450°C
Medium viscosity	DN15:η<5mPa.s(F15.1~F15.3),
	DN25:η<250mPa.s; DN50~DN200:η<300mPa.s
Environment temperature	Remote type: -40°C~+85°C
	On-the spot needle indicator: -40°C~+100°C
Connection type	Standard: DIN2501 standard flange; special: customize
Wiring connection	M20×1.5 female thread
	(1/2NPT female thread for Exd explosion-
Power supply	Standard: 24VDC two-line
	Warning type:24VDC four-line
	AC type:85~265VAC 50HZ
	Battery type:3.6V 7.5AH lithium battery(3 years lifetime)
Loading resistance feature	Two-line: max loading resistance=50×(voltage-12)Ω=600Ω 24V
	Multi-line: max loading resistance 500Ω
Warning signal output	Reed pipe warning switch output, upper limit and lower limit flow warning(contact capacity 1A 30VDC)
	Electric relay output(contact capacity 1A)
Pulse output	Min space 50ms
LCD display	Instantaneous flow display scope:0~50000
	Total flow display scope: 0~99999999
Protection grade	IP65
Explosion-proof grade	Exia II CT5Ga Exd II BT6Gb


Electromagnetic flowmeter

	Pipe size:	DN10~DN1200
	Lining:	Chloroprene , rubber, PTFE
	Material of electrode:	316L, HC, HB, Tiumium,Tantalum, Paltiniridum
	Medium:	Conductive liquid
	Grade of accuracy:	0.5, 1.0
	Flow velocity:	≤ 15m/s
	Pipe connection:	flange connection
	Temperature of medium:	chloroprene rubber -10~60°C;PTFE -10~120C
	Pressure:	4.0MPa; 1.6MPa; 1.0MPa
	Output signal:	4~20mADC
	Loading resistance:	600 Ω
	Conductibility f of medium:	5μS/cm
	Power supply:	220VAC, 50HZ 24VAC
	Relative humidity:	5%~95%
	Flow direction:	forwards and reverse flux
	Protection Class:	IP65, IP68
Explosion-proof grade	Md II BT4	


Turbine Flowmeter (Liquid/Gas)

	Application range	Liquid: water; diesel; gasoline (1) Without Impurity (2) Low viscosity
	Measured Value	Primary measured value: Flow Rate Secondary measured value :Volume flow
	Compact version converter	N Type: Pulse output without local display A Type: 4 - 20mA Output without local display B Type: Local Display; Lithium Battery Power; No Output C Type: Local Display; 24V DC Power; 4 - 20mA Optional Function: (1) Backup Power Supply: Lithium Battery (2) Modbus RS485 (3) Pulse Output
	Connection	Thread: DN4 - DN50 Flange: DN15 - DN200 (DIN, ANSI, JIS) Wafer: DN15 - DN100
	Measurement Ratio	Standard - 10:1; Optional: 20:1
	Electrical conductivity:	≥ 300 μS/cm
	Accuracy	Standard:1.0% of rate /Optional: 0.5% of rate
	Process temperature:	- 20...+150°C
	Process connection	Flange :EN 1092 - 1 DN15...200 in PN 6...40 ASME 1/2"...8" in 150 lb RF JIS 1/2"...8" in 10...20K
	Design of gasket surface	RF
		Thread : DN4...DN50 in PN63
	Explosion-proof grade	Exd II BT6


Vortex Flowmeter

	Application range	(1) Gas; (2) Liquid; (3) Steam
	Measured Value	Primary measured value :Flow Rate Secondary measured value :Volume flow ; Pressure&Temperature is for compensation
	Compact version converter	N Type: Pulse output without local display
		A Type: 4-20mA Output without local display
		C Type: Local Display; 24V DC Power; 4-20mA
	Optional Function:	(1) Backup Power Supply: Lithium Battery
		(2) Modbus RS485
		(3) Pulse Output
	Connection	Flange: DN15-DN300
		Wafer: DN15-DN300
	Measurement Ratio	Standard - 10:1
	Accuracy	Liquid: 1.0% of rate
		Gas and Steam: 1.5% of rate
	Process temperature	-20~+350°C
	Material:	Sensor housing SS304 (or CUTOMIZE)
		Flanges SS304
	Process connection	Converter Housing: Standard:polyurethane coated die-cast aluminum
		Flange :EN 1092-1 DN15-300 in PN 6-25
		ASME 1/2"-12" in 150 lb RF
		JIS 1/2"-12" in 10-20K
Wafer: DN15-DN300		
	Thread : DN4-DN50 in PN63	
Explosion-proof grade	Exd II BT6	

Mass flowmeter


	Mass flow accuracy	$\pm[0.2\% + (\text{zero stability} / \text{flow rate} \times 100\%)]$
	Mass flow repeatability	$\pm(1/2) \times [0.2\% + \text{zero stability} / \text{flow rate} \times 100\%]$
	Density range	0.2 g/cm ³ ~3.5g/cm ³
	Density accuracy	$\pm 0.002\text{g/cm}^3$
	Temperature range	-60°C ~+200°C
	Temperature accuracy	$\pm 1^\circ\text{C}$
	Output of current loop	4mA ~20mA
	Output of frequency/pulse	0Hz ~10kHz
	Contactora capacity	24V/0.1A
	Contactora form	normal open
	Temperature range of fluid	-40°C ~+200°C
	Environmental temperature	0°C ~+40°C
	Environmental humidity	$\leq 90\% \text{RH}$, non condensation
	Atmospheric pressure range	86kPa ~106kPa
	Power supply of transmitters	DC (24 \pm 10%) V
	Power consumed	<15W

Thermal Flowmeter

	Measurement range:	(0~60) Nm/s (standard state: 20℃,
	Temperature range:	ambient temperature: -40℃~+85℃
		medium temperature: -10℃~+350℃
	Accuracy:	±1% reading; ±0.5% full range
	Repeatability:	±0.5% full range
	Output:	flow velocity: (4~20) mADC;
		output impedance: Rmax: (Vs -12) / 0.02(Ω)
	Temperature coefficient:	0.05%/10℃
	Pressure effect:	negligible
	Response speed:	1S
	Power supply voltage:	24VDC±10% ; 220VAC±10%
	Working pressure:	1.6Mpa
	Communication interface:	RS232 or RS485
	Display interface:	LED: flow rate range and alarm points
Explosion proof certification:	ExidIICT4 (except for acetylene gas)	
Protection Class:	IP65	

Throttling Device:

Standard Orifice flowmeter

	Nominal Diameter:	DN20 - DN1000
	Flange standard:	GB/T2624-93
	Checking standard:	JJG 640-94
	Accuracy:	±0.5%、±1%、±1.5%
	Flow range:	≥ 1:15
	Nominal Pressure:	0.6、1.0、1.6、2.5、4.0、6.4、10 (MPa)
	Medium:	water, air, natural gas, saturated vapor, superheated steam, other mixed gas or liquid
	Medium Temperature:	-10℃~+450℃
	Power supply:	Smart flow display 220VAC, Flow transmitter 24VDC
	Output signal:	4-20mA DC/RS485
Explosion proof certification:	ExiB IICT5	

Nozzle flowmeter, Venturi flowmeter, V-cone flowmeter, Wedge-shape flowmeter

