



DH1000Series Electromagnetic Flowmeter

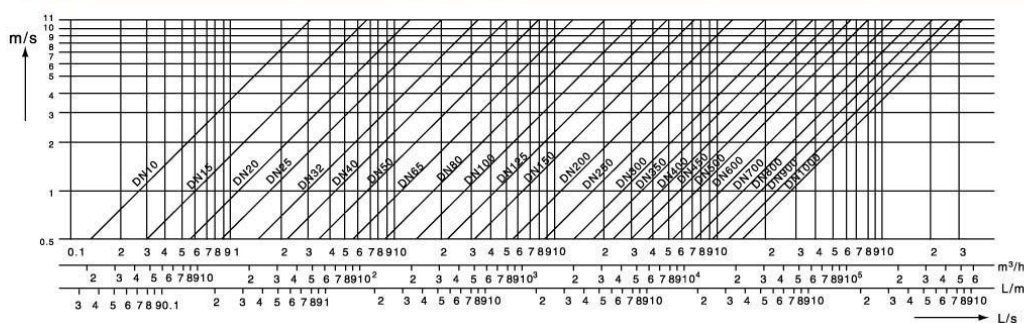
In the normal industry application, it is better to set the measured medium speed as 2~4m/s, under the special situation, the minimum speed should be more than 0.2m/s and maximum speed less than 8m/s, if there are solid granules in liquid, the usual speed should be less than 3m/s for purpose to avoid the over-attrition between lining and electrical poles. for viscid liquid, the speed can choose as 2m/s, the fast flow speed makes for the automatic elimination of obstructive substances glued on poles, therefore improve the inspection's preciseness.

Pparatus Selection

DN	Usual full range flow volume selection (m³/h)
10	0.16, 0.2, 0.25, 0.3, 0.4, 0.5, 0.6, 0.8, 1.0, 1.2, 1.6, 2.0, 2.5
15	0.4, 0.5, 0.6, 0.8, 1.0, 1.2, 1.6, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0
20	0.6, 0.8, 1.0, 1.2, 1.6, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0, 12.0
25	1.0, 1.2, 1.6, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0, 12.0, 14.0, 16.0
32	1.6, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0, 12.0, 16.0, 20.0, 25
40	2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0, 12.0, 16.0, 20.0, 25.0, 30.0, 40
50	4.0, 5.0, 6.0, 8.0, 10.0, 12.0, 16.0, 20.0, 25.0, 30.0, 40.0, 50.0, 60.0, 70
65	6.0, 8.0, 10.0, 12.0, 16.0, 20.0, 25.0, 30.0, 40.0, 50.0, 60.0, 80.0, 100.0, 120
80	10.0, 12.0, 16.0, 20.0, 25.0, 30.0, 40.0, 50.0, 60.0, 80.0, 100.0, 120.0, 160
100	16.0, 20.0, 25.0, 30.0, 40.0, 50.0, 60.0, 80.0, 100.0, 120.0, 160.0, 200.0, 250
125	25.0, 30.0, 40.0, 50.0, 60.0, 80.0, 100.0, 120.0, 160.0, 200.0, 250.0, 300.0, 400
150	40.0, 50.0, 60.0, 80.0, 100.0, 120.0, 160.0, 200.0, 250.0, 300.0, 400.0, 500.0, 600
200	60.0, 80.0, 100.0, 120.0, 160.0, 200.0, 250.0, 300.0, 400.0, 500.0, 600.0, 800.0, 1000
250	100.0, 120.0, 160.0, 200.0, 250.0, 300.0, 400.0, 500.0, 600.0, 800.0, 1000.0, 1200.0, 1600
300	160.0, 200.0, 250.0, 300.0, 400.0, 500.0, 600.0, 800.0, 1000.0, 1200.0, 1600.0, 2000.0, 2500
350	200.0, 250.0, 300.0, 400.0, 500.0, 600.0, 800.0, 1000.0, 1200.0, 1600.0, 2000.0, 2500.0, 3000
400	250.0, 300.0, 400.0, 500.0, 600.0, 800.0, 1000.0, 1200.0, 1600.0, 2000.0, 2500.0, 3000.0, 4000
450	300.0, 400.0, 500.0, 600.0, 800.0, 1000.0, 1200.0, 1600.0, 2000.0, 2500.0, 3000.0, 4000.0, 5000
500	400.0, 500.0, 600.0, 800.0, 1000.0, 1200.0, 1600.0, 2000.0, 2500.0, 3000.0, 4000.0, 5000.0, 6000
600	600.0, 800.0, 1000.0, 1200.0, 1600.0, 2000.0, 2500.0, 3000.0, 4000.0, 5000.0, 6000.0, 10000
700	800.0, 1000.0, 1200.0, 1600.0, 2000.0, 2500.0, 3000.0, 4000.0, 5000.0, 6000.0, 10000.0, 12000
800	1000.0, 1200.0, 1600.0, 2000.0, 2500.0, 3000.0, 4000.0, 5000.0, 6000.0, 10000.0, 12000.0, 16000
900	1200.0, 1600.0, 2000.0, 2500.0, 3000.0, 4000.0, 5000.0, 6000.0, 10000.0, 12000.0, 16000
1000	1600.0, 2000.0, 2500.0, 3000.0, 4000.0, 5000.0, 6000.0, 10000.0, 12000.0, 16000.0, 20000



Graph Illustration Of Nominal Diameter, Flow Speed And Flow Volume Of Flowmeter.

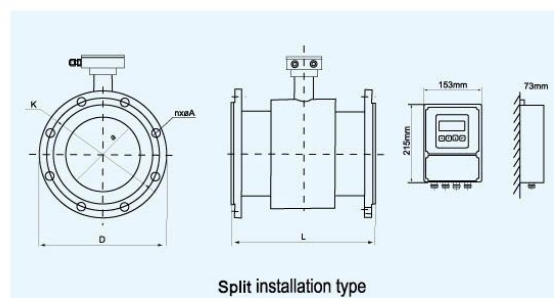
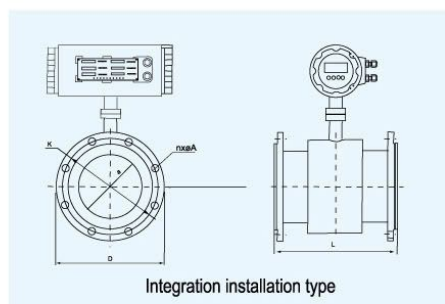




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DH1000 External Dimension For Integration And Partial Installation

DN(a) mm	Working pressure (Bar)	L	D	K	n-øA	Integration Weight (kg)	mm
							Partial installation Weight (kg)
10	40	150	90	60	4-ø14	6	4
15		150	95	65	4-ø14	6	4
20		150	105	75	4-ø14	6	4
25		150	115	85	4-ø14	7	5
32		150	140	100	4-ø18	9	7
40		150	150	110	4-ø18	10	8
50		200	165	125	4-ø18	12	10
65		200	185	145	8-ø18	17	15
80		200	200	160	8-ø18	17	15
100	16	250	220	180	8-ø18	22	20
125		250	250	210	8-ø18	24	22
150		300	285	240	8-ø22	35	33
200	10	350	340	295	8-ø22	45	43
250		400	395	350	12-ø22	84	82
300		500	445	400	12-ø22	102	100
350		500	505	460	16-ø22	123	121
400		600	565	551	16-ø26	147	145
450		600	615	565	20-ø26	212	210
500		600	670	620	20-ø26	229	207
600		600	780	725	20-ø30	252	250
700		700	895	840	24-ø30	352	350
800		800	1015	950	24-ø33	462	460
900		900	1115	1050	28-ø33		550
1000	6	1000	1235	1160	28-ø36		680



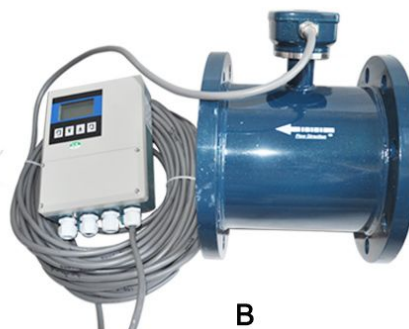


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DH1000 Series Electromagnetic Flowmeter

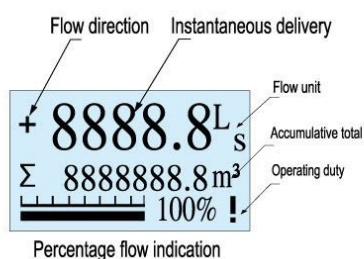


A

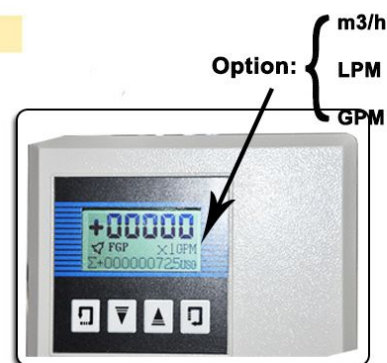


B

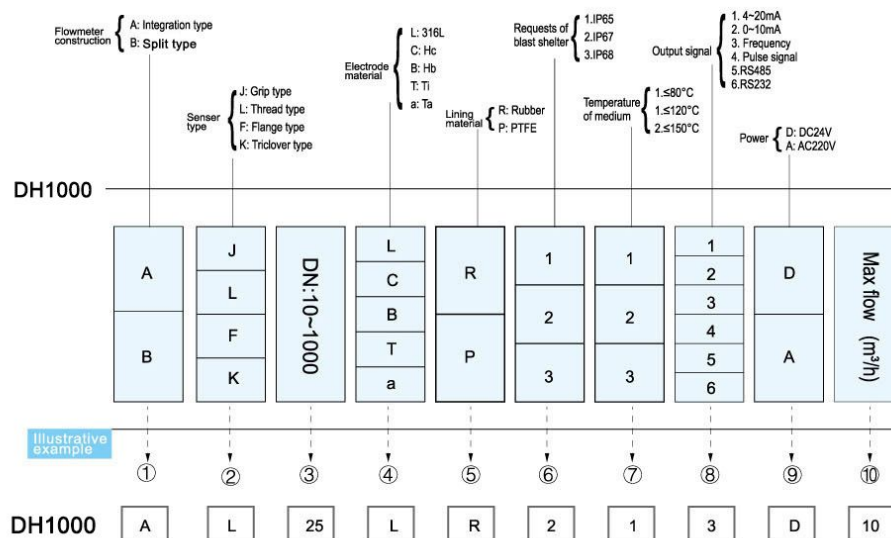
Flow Display Interface



- Working display condition
- Keyboard lock-up condition
- Flow calibration condition



Ordering





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DH1000 Series Electromagnetic Flowmeter

DH1000 electromagnetic flowmeter is an inductive apparatus to measure the flow volume of electric medium in the tube. The flowmeter composes of sensor and converter, the flowmeter design is adopted of SCM built-in technology to realize digital inciting magnetism the SCM connects CAN bus-mastering in the electromagnetic flowmeter at the same to time. The electro-magnetic flowmeter can not only be read straightly but also output 4~20mA current signal for purpose of memory, adjustment and control. The flowmeter is extensively used in industry technology and administration department such as chemical industry, environmental protection, metallurgy, medicine, paper making and water supply etc.



Functional Characteristics

- The structure of flowmeter is simple, function is reliable because there are no transmission parts, the working lifetime is long.
- There are no block and cut-off parts, so the phenomenon of pressure loss and liquid block is not existed.
- There is no mechanical inertia, fast response, excellent stability. It can be applied on automatic inspection adjustment and program process system.
- The preciseness of measure is free of physical data influence of medium varieties, temperature, viscosity, density and pressure etc.
- The different configurations of both PTFE or rubber lining and electrical poles Hc, Hb, 316L, Ti etc can satisfy different medium requirements.
- There are two models: integration and separation.
- High definition LCD displayer.

Technical Data

gauge preciseness: pipe style 0.5 grade, 1.0 grade; insert style 2.5 grade

Measure medium: two kinds of flowing substances: all of liquids and liquid-solids whose electric conductance ratio is less than 5US/CM.

Flow speed range: 0.3~12m/s

Working pressure: 0.6~4.0 MPa

Environmental temperature: 0°C ~ +55°C

Medium temperature: PTFE lining ≤150°C rubber lining ≤65°C

Anit-explosion signal: Exd I I BT4

Electromagnetic interference: ≤400A/m

Shell protection: integration style: IP65; separation style: sensor IP68, Converter IP65

Output signal: 4~20mA, loading resistance 0~750Ω

Transmission output: RS485 or CAN bus-line

Electrical connection: M20X1.5 female thread, ø10 cord hole

Electrical power voltage: DC 18-36V, AC 85~265V

Maximum power consumption: ≤15W



Electromagnetic flowmeter DH1000 series

Other types can be customized:

 ► Integrated type	 ► Remote control type	 ► Hight pressure type
 ► Sanitary type	 ► Flange type	 ► Battery powered type
 ► Screw connection type	 ► Wafer type	 ► Insertion type