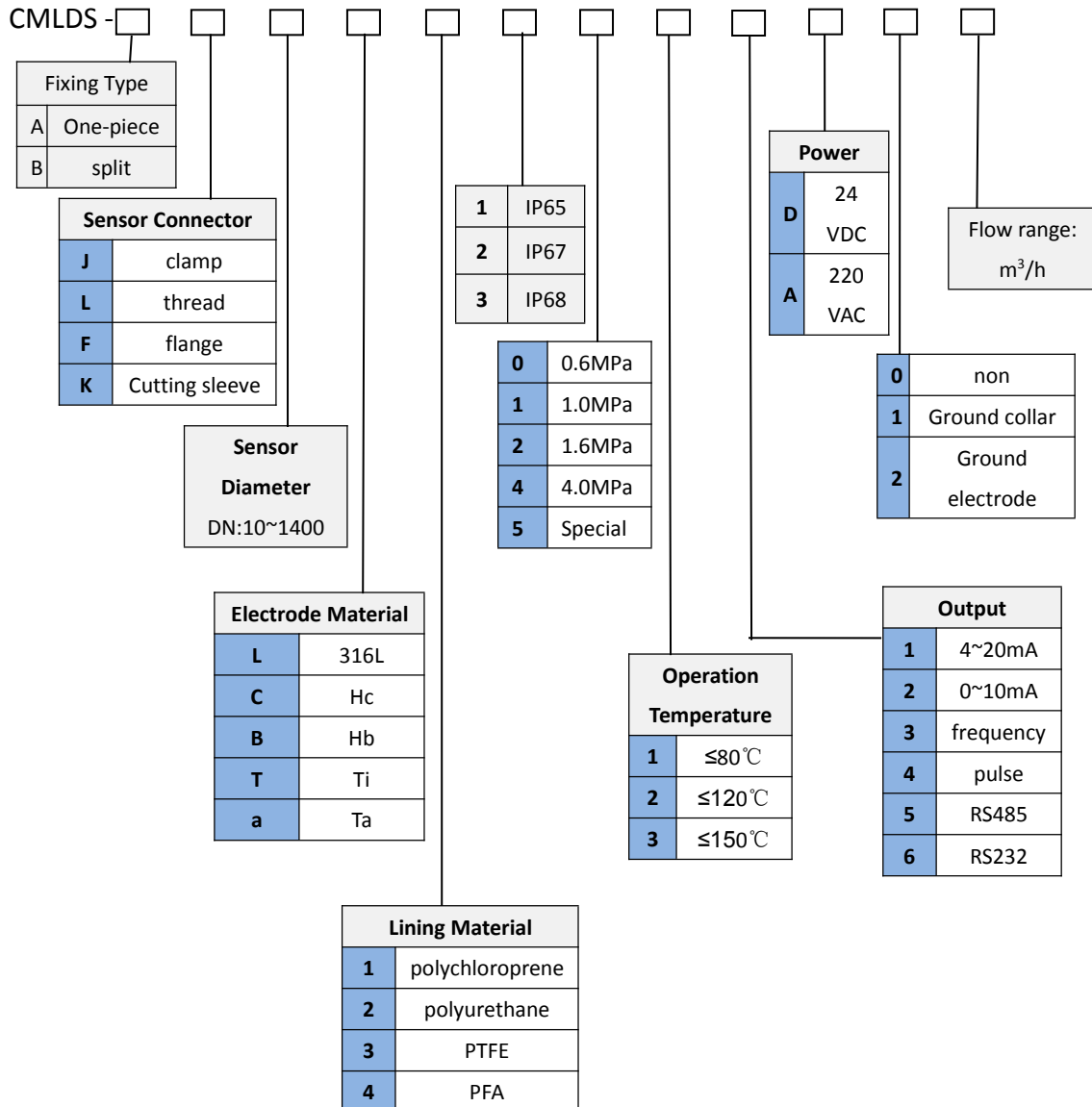


INTELLIGENT ELECTROMAGNETIC FLOWMETER CMLDS SERIES



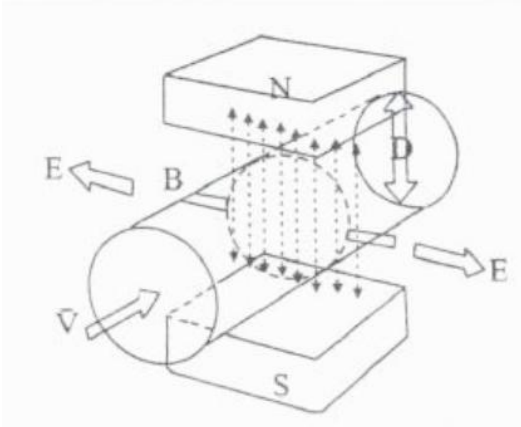
Intelligent electromagnetic flowmeter CMLDS series contains features like high accurate, reliable and convenient operation. It consists of sensor and transmitter, to measure volume flow of conducting liquid with conductivity more than 5 μ S/cm based on Faraday Law of electromagnetic induction principle.

Ordering Code



Operation Principle

$$E = kBVd$$

E=induced electromotive force	
K=meter constant	
B=magnetic induction	
V=average flow speed inside measuring tube	
D=inside diameter of measuring tube	

Main Parameter

DN (mm)	10,15,20,25,32,40,50,65,80 ,100,125,150,200,250,300,350,400,450 ,500,600,700,800,900,1000,1200,1400	
Electro conductivity	>5us/cm	
Flow speed	0.3~12m/s	
Accuracy	± 1.0%, ± 0.5% (± 0.3% optional)	
Environment temperature	-20~+60℃	
Medium temperature	T1≤65℃,T2≤120℃,T3≤160℃	
Pressure	0.6MPa,1.0MPa,1.6MPa,2.5MPa,4.0Mpa	
	DN10~80:PN≤4MPa	DN100~150:PN≤1.6MPa
	DN200~900:PN≤1.0MPa	DN1000~1400:PN≤0.6MPa
Lining material	Polychloroprene,polyurethane,PTFE,PFA	
Electrode material	316L,Ti,Hc,Hb,Ti,Ta	
Power	220VAC(90-245V 50/60Hz) or 24VDC(20-36V)	
Power Consumption	≤10VA	
Protection	One-piece: IP65	Split: sensor:IP67,IP68,transmitter:IP65
output	4~20mA,pulse,frequency,RS485,RS232	



Max. Flow

DN (mm)	Max.Flow (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
32	1.6,2.0,2.5,3.5,4.0,5.0,6.0,8.0,10.0,12,16,20,25
40	2.5,3.0,4.0,5.0,6.0,8.0,10.0,12,16,20,25,30,40
50	4.0,5.0,6.0,8.0,10.0,12,16,20,25,30,40,50,60
65	6.0,8.0,10.0,12,16,20,25,30,40,50,60,80,100,120
80	10,12,16,20,25,30,40,50,60,80,100,120,160
100	16,20,25,30,40,50,60,80,100,120,160,200,250
125	25,30,40,50,60,80,100,120,160,200,250,300,400
150	40,50,60,80,100,120,160,200,250,300,400,500,600
200	60,80,100,120,160,200,250,300,400,500,600,800,1000
250	100,120,160,200,250,300,400,500,600,800,1000,1200,1600
300	160,200,250,300,400,500,600,800,1000,1200,1600,2000,2500
350	200,250,300,400,500,600,800,1000,1200,1600,2000,2500,3000
400	250,300,400,500,600,800,1000,1200,1600,2000,2500,3000,4000
450	300,400,500,600,800,1000,1200,1600,2000,2500,3000,4000,5000
500	400,500,600,800,1000,1200,1600,2000,2500,3000,4000,5000,6000
600	600,800,1000,1200,1600,2000,2500,3000,4000,5000,6000,8000,10000
700	800,1000,1200,1600,2000,2500,3000,4000,5000,6000,8000,10000,12000
800	1000,1200,1600,2000,2500,3000,4000,5000,6000,8000,10000,12000,16000
900	1200,1600,2000,2500,3000,4000,5000,6000,8000,10000,12000,16000,20000
1000	1600,2000,2500,3000,4000,5000,6000,8000,10000,12000,16000,20000,25000
1200	2500,3000,4000,5000,6000,8000,10000,12000,16000,20000,25000,30000
1400	3000,4000,5000,6000,8000,10000,12000,16000,20000,25000,30000,40000,50000