



Process Center AB

Elektromagnetisk Flödesmätare Serie KFL-DC

www.processcenter.se

Egenskaper

- ◇ För alla typer av elektriskt ledande vätskor
- ◇ Storlekar - DN6 till DN2200.
- ◇ Inga rörliga delar
- ◇ Enkel installation
- ◇ Hög noggrannhet 0.5%
- ◇ Kapsling IP67 eller IP68
- ◇ Temperaturområde media -25- 160°C
- ◇ Batteridrift som option
- ◇ Hög & låglarm
- ◇ Profibus, Hart, GPRS och RS485 Modbus
- ◇ Utgångar: 4-20mA och puls
- ◇ Mäter aktuellt flöde, totalt flöde samt flöde-shastighet

Användningsområde

Universell flödesmätare för alla typer av elektriskt ledande vätskor



MAG1000	MAG2000	MAG3000	MAG3000-1	MAG4000	MAG5000
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Display som kan moteras upp till 100 m från mätare



Option
Batteridrift samt
GPRS

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MAG1000

Diameter	DN6 - DN2200
Noggrannhet	0.5%
Elektroder	316L, Titanium, Tantalum, HC, Monel, Pt-Ir
Liner	FEP (DN6-DN300), Gummi (DN65-DN2200)
Material hus	Kolstål
Anslutning	Gänga eller fläns

MAG2000

Diameter	DN25 - DN200
Noggrannhet	0.5%
Elektroder	316L, Titanium, Tantalum, HC, Monel, Pt-Ir
Liner	FEP
Material hus	Kolstål eller syrafast SS304



MAG3000

Diameter	DN25 - DN100
Noggrannhet	0.5%
Elektroder	316L, Titanium, Tantalum, HC, Monel, Pt-Ir
Liner	För alla typer av vätskor med viskositet >0.8
Material hus	Kolstål eller syrafast SS304
Anslutning	Gänga eller fläns



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MAG3000-1

Diameter	DN25 - DN100
Noggrannhet	0.5%
Elektroder	316L, Titanium, Tantalum, HC, Monel, Pt-Ir
Liner	FEP
Material hus	Kolstål eller syrafast SS304
Anslutning	Gänga eller fläns



MAG4000

Diameter	DN25 - DN200
Noggrannhet	0.5%
Elektroder	316L, Titanium, Tantalum, HC, Monel, Pt-Ir
Liner	FEP
Material hus	Polerad syrafast SS304
Anslutning	Gänga eller fläns



MAG5000

Diameter	DN25 - DN500
Noggrannhet	0.5%
Elektroder	316L, Titanium, Tantalum, HC, Monel, Pt-Ir
Liner	FEP
Material hus	Syrafast SS304 samt aluminium
Anslutning	Fläns
Tryck	Upp till 420 bar

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Storlekar och mätområde

Meter Size		Min. Flow Range Flow Velocity		Max. Flow Range Flow Velocity	
DN		0 to 0.5 m/s	0 to 1.64 ft/s	0 to 10 m/s	0 to 32.81 ft/s
mm	Inch	l/min, m ³ /h	gpm	l/min, m ³ /h	gpm
10	3/8	0 to 2 l/min	0 to 0.52	0 to 40 l/min	0 to 11.88
15	1/2	0 to 5 l/min	0 to 1.32	0 to 100 l/min	0 to 26.41
20	3/4	0 to 7.5 l/min	0 to 1.98	0 to 150 l/min	0 to 39.62
25	1	0 to 10 l/min	0 to 2.64	0 to 200 l/min	0 to 52.83
32	1 1/4	0 to 20 l/min	0 to 5.28	0 to 400 l/min	0 to 105.66
40	1 1/2	0 to 30 l/min	0 to 7.92	0 to 600 l/min	0 to 158.50
50	2	0 to 3 m ³ /h	0 to 13	0 to 60 m ³ /h	0 to 264
65	2 1/2	0 to 6 m ³ /h	0 to 26	0 to 120 m ³ /h	0 to 528
80	3	0 to 9 m ³ /h	0 to 39	0 to 180 m ³ /h	0 to 792
100	4	0 to 12 m ³ /h	0 to 52	0 to 240 m ³ /h	0 to 1056
125	5	0 to 21 m ³ /h	0 to 92	0 to 420 m ³ /h	0 to 1849
150	6	0 to 30 m ³ /h	0 to 132	0 to 600 m ³ /h	0 to 2641
200	8	0 to 54 m ³ /h	0 to 237	0 to 1080 m ³ /h	0 to 4755
250	10	0 to 90 m ³ /h	0 to 396	0 to 1800 m ³ /h	0 to 7925
300	12	0 to 120 m ³ /h	0 to 528	0 to 2400 m ³ /h	0 to 10566
350	14	0 to 165 m ³ /h	0 to 726	0 to 3300 m ³ /h	0 to 14529
400	16	0 to 225 m ³ /h	0 to 990	0 to 4500 m ³ /h	0 to 19812
450	18	0 to 300 m ³ /h	0 to 1320	0 to 6000 m ³ /h	0 to 26417
500	20	0 to 330 m ³ /h	0 to 1452	0 to 6600 m ³ /h	0 to 29058
600	24	0 to 480 m ³ /h	0 to 2113	0 to 9600 m ³ /h	0 to 42267
700	28	0 to 660 m ³ /h	0 to 2905	0 to 13200 m ³ /h	0 to 59117
800	32	0 to 900 m ³ /h	0 to 3962	0 to 18000 m ³ /h	0 to 79251
900	36	0 to 1200 m ³ /h	0 to 5283	0 to 24000 m ³ /h	0 to 105668
1000	40	0 to 1350 m ³ /h	0 to 5943	0 to 27000 m ³ /h	0 to 118877



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Beställningsinformation

Suffix Code										Description	
KFL-DC	-										Model format
DN	-XXX										Nominal size DN2-2200 mm
Electrodes material	L										316L
	V										Titanium
	T										Tantalum
	H										Hastelloy
	M										Monel
	P										
Lining material	C										Chloroprene Rubber (DN65-2200mm)
	F										FEP (DN10-500mm)
	T										PTFE (DN50-300mm)
	9										Customization
Process connection	F										Carbon steel flange
	S										304 Stainless steel Flange
	T										Thread connection (DN10-100)
	W										Wafer connection (DN10-DN200)
	C										Tri-clamp connection (DN10-100)
Working pressure	-G1.6										DIN PN. 0.6, 1.0, 1.6, 2.0, 2.5, 4.0, 16, 25, 35, 42MPa
	-A150										ANSI CL150, CL300, CL600, CL900, CL1500, CL2500
	-J10										JIS 10K, 20K, 30K
Flow sensor housing material	C										Carbon steel
	A										Cast-aluminum (DN10-300)
	S										304 Stainless steel with painting (DN10-350)
	P										304 Stainless steel without painting (DN10-300mm)
Liquid temperature	L										<60°C (Short time can up to 80°C)
	T										<120°C (Integral type with cooling fin)
	S										<120°C (remote type)
	E										<180°C (Integral type with cooling fin)
	H										<180°C (Only remote type)
Flow sensor protection Class	A										IP65
	B										IP68 (Only remote type or Magnetic water meter type)
	C										IP67 (Now unavailable)
Construction	-M										Integral type
	-D										Remote type
Power supply	A										100VAC-240VAC
	B										20-36VDC
	C										Lithium battery (Pulse output only for calibration)
Transmitter type	L										Standard type (MT100, MT101)
	X										Explosion type (MT120)
	N										Process control type (MT130)
	B										Batch control type (MT140)
	E										Battery supply type (MT150, MT151)
	H										Magnetic water meter type (MT152, battery supply, IP68)
	S										Slurry type (MT160, MT161)
	9										Special type
Output signal 1									-C		C: 4-20mA output; D: 0-10mA output; N: No current output
Output signal 2									P		P: Pulse output; F: Frequency output; J: Battery supply pulse output; N: No pulse output
Communication										N	N: No communication; S: RS485 (MODBUS); R: RS232 (MODBUS) B: RS485 (MODBUS)-Battery supply type; F: PROFIBUS; H: HART; G: GPRS; A: CDMA
Cables length										-0	0: No cable (Integral type) 1: 5m of signal and exciting current cable (Remote type default) 2: 10m; 3: 15m; 4: 20m; 5: 25m; 6: 50m; 7: 80m; 8: 100m