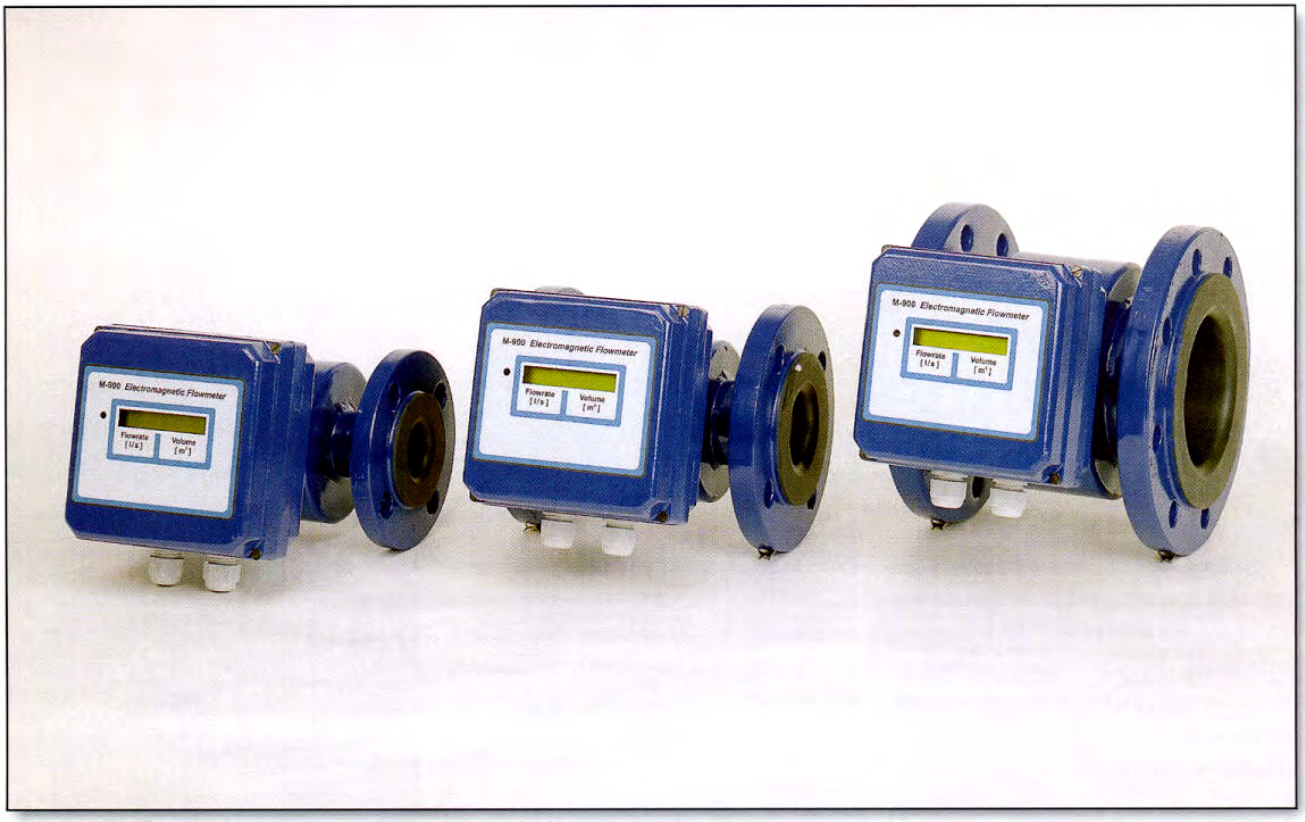
MAG 900 ELECTROMAGNETIC FLOWMETER

ARKON



- ▲ **Displays flowrate and total**
- ▲ **Bi-directional**
- ▲ **DN10 - DN1000, PN10 - PN25**
- ▲ **Accuracy ±0.5% of reading**
- ▲ **Frequency, pulse, current outputs**
- ▲ **Infra-red port**
- ▲ **RS232 communications port**

DN (mm)	LN (mm)
10-100	200
125-150	300
200-250	400
300-500	500
600	600
700	700
800	800
900	900
1000	1000

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Flanged	DIN or BS
Nominal Diameter DN	10 .. 1000
Nominal length LN	200 .. 1000
Nominal Pressure PN	6, 10, 16, 25
Flow rate range	0.1 - 10 m/s (0.008 - 7854 l/s)
Accuracy of reading	0.5% (0.5 - 10 m/s) 1.0% (0.1 - 0.5 m/s)
Ambient temperature	-5°C to +60°C
Electrical Conductivity minimum	≥ 5 µS/cm
Liquid temperature separate / compact version	130ºC / 60ºC max.
Power supply	230V / 115V (+10%, - 20%), 50Hz / 60Hz 24V (+10%, - 15%), 50Hz / 60Hz
Protection	IP 65
Power consumption	8 VA max.
Infrared sensor	Option 90001 (extra)
Adapter RS 232	Option 90002 (extra)
Analogue	4 - 20mA max. 400Ω
Liner	Rubber / PTFE
Electrodes	Stainless Steel

INDUCTIVE FLOWMETER MAG 900

A device designed to measure, indicate and store both flow rate and flow total of conductive liquids. The flow meter MAG 900 records both positive and negative flows. As there are no moving mechanical parts in the flow profile the device can be applied to measure dirty liquids even containing solid particles.

RANGE OF APPLICATIONS

The inductive flow meter MAG 900 is designed to be used in the chemical industry, water and waste-water industries, and all process industries.

FEATURES

The inductive flow meter MAG 900 is a highly accurate and stable device. The construction of the MAG 900 indicator uses components with a long-term time and temperature stability. Configuration data is backed up and can be recovered after a power failure. The back-up structure enables data recovery in a case of a partial loss of data (as a result of, for example, high level electrostatic discharge or noisy power supply). Internal CPU provides all functions usually built in electronic flow meters, including low flow rate correction, frequency response setting, bandwidth of sensitivity setting at low flow rates, etc.

OUTPUTS

The flow meter MAG 900 is equipped with three standard isolated outputs: frequency output, pulse output and RS232 output. The user can configure both frequency and pulse output. The RS232 output is of an infrared type. Through this output the flow meter periodically sends data containing reading and status. The option enables easy scanning of information from several flow meters via portable PC with infrared input. The flow meter is equipped with a standard current output 4-20mA. The output is galvanically separated and can be either active or passive type.

Table for 1 m/s flowrates

DN	M^3 / h	I / h	I / s
10	0,283	4,712	0,079
20	1,131	18,85	0,314
25	1,767	29,452	0,491
32	2,895	48,255	0,804
40	4,524	75,398	1,257
50	7,069	117,81	1,964
65	11,946	199,1	3,318
80	18,096	301,59	5,027
100	28,274	471,23	7,854
125	44,179	736,31	12,272
150	63,617	1060,3	17,671
200	113,10	1885	31,42
250	176,71	2945,2	49,087
300	254,47	4241,2	70,686
350	346,36	5772,7	96,211
400	452,39	7539,8	125,66
500	706,86	11781	196,35
600	1017,9	16965	282,74
800	1809,6	30159	502,65
1000	2827,4	47124	785,4

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