

# MID SpiraMAG®



## MAIN CHARACTERISTICS

- Product type: Electromagnetic flowmeter
- Application: For flow measurement of liquids with a conductivity of  $\geq 5\mu\text{S/cm}$
- Measuring accuracy:  $\pm 0.25\%$  of reading  $\pm 0.1\%$  full scale (for powered devices)
- Process temperature:
  - 0°C to + 65°C (compact, rubber liner)
  - 0°C to + 65°C (remote, rubber liner)
  - 20°C to +100°C (compact, PTFE liner)
  - 20°C to +150°C (remote, PTFE liner)
- Process pressure: Up to 40 bar, higher pressures on request
- Housing material: Painted steel / optionally stainless steel
- Wetted parts: Stainless steel, Hastelloy C, Platinum (Electrodes), soft rubber, hard rubber or PTFE/PFA (liner)
- Power supply: 85-265 VAC (50 / 60 Hz) / 9-36 VDC / battery
- Output / Display: 4-20 mA / HART® and frequency output / pulse output (active), RS 485 / Display
- Process connection: Flanges acc. to DIN, ANSI, JIS, Tri-Clamp
- Special features: Empty pipe detection, bi-directional measurement any mounting position

## MEASURING RANGE

DN	Flow rate (for flow velocity* ~ 0.3 – 10 m/s)*	
	Qmin [m³/h]	Qmax [m³/h]
15	0.2	6
25	0.5	18
32	0.9	29
40	1.5	45
50	2.1	71
65	3.6	119
80	5.4	181
100	8.5	283
125	13	442
150	19	636
200	34	1131
250	53	1767
300	76	2545
350	104	3464
400	136	4524
450	172	5725
500	212	7068
600	305	10178
700	416	13854
800	543	18095
900	687	22902
1000	848	28274

\* Recommended flow velocity is 2-3 m/s

## OPTIONS

- Remote version with distance to transmitter: standard 10 m optional up to 100 m
- Transducer type with power supply or battery
- Sizes up to DN 2000 on request
- Protection class standard IP67, optional IP68

Further information and product variants are available on request.

