

# FLOMIC FL 1024

Battery type ultrasonic water-meters series FLOMIC FL 1024 are designed for operational as well as billing purposes and also for archiving instantaneous flow rate and water consumption in water industry. This water-meter operate on the principle of the measuring of the difference of transit time of ultrasonic signal in and against the direction of measured water flow. These water-meters feature by high accuracy and long-term stability in a wide measuring range. Water-meters FLOMIC do not require power outsource, have no moving parts and in compare with conventional water-meters differ by substantially lower hydraulic losses.

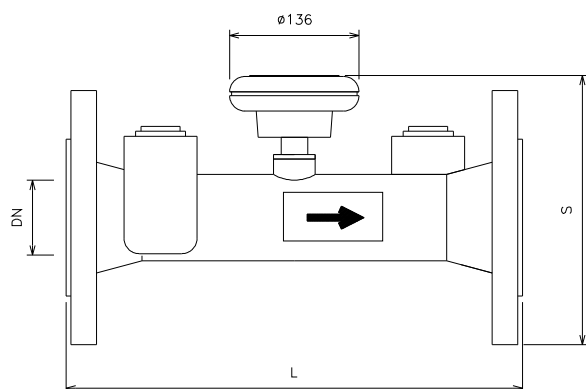
In addition to standard evaluation and display of the actual flow and total volume of the water discharge from the last counter reset, sophisticated hardware enables to archive measured data with selected time-period and by means of the optical interface read them by means of portable PSION. In addition to above functions, water-meters FLOMIC are equipped by pulse and current outputs  $4 \div 20$  mA and communication interface M-BUS.

## TECHNICAL SPECIFICATION

Nominal size DN	32	40	50	65	80	100	125	150	200
Maximum flow $q_s$ [m <sup>3</sup> /h]	12	20	30	50	80	120	200	300	360
Nominal flow $q_p$ [m <sup>3</sup> /h]	6	10	15	25	40	60	100	150	250
Transient flow $q_t$ [m <sup>3</sup> /h]	1,2	2	3	5	8	12	20	30	50
Minimum flow $q_i$ [m <sup>3</sup> /h]	0,18	0,3	0,45	0,75	1,2	1,8	3	4,5	7,5
Nominal pressure PN	16								
Accuracy class	B according ČSN ISO 4064-1								
Measured liquid temperature	0 ÷ 50 °C								
Ambient temperature	0 ÷ 50 °C								
Display	LCD one-line, 8 numerical								
Power supply	Lithium battery 3,6 V/16 Ah – lifetime min. 6 years								
Protection	IP 67								
Pressure losses	Less than 0,1 bar								
Outputs	Impulse 0,1 ÷ 100 l/imp								
	Optical interface EN 60870								
Optional equipment	Passive current output 4 ÷ 20 mA								
	Communication interface M-BUS								
	Measured data archive								
	Protection IP 68								

## MAIN DIMENSIONS

DN	32	40	50	65	80	100	125	150	200
L [mm]	300	300	300	300	350	350	350	350	350
s [mm]	190	198	208	225	237	253	280	307	352



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