



FLOWSUPPLIES IN-LINE ULTRASONIC FLOWMETERS

<p>Model: FL102X</p> 	<p>TYPE: Ultrasonic In-line Battery Powered flowmeters</p> <p>The Flomic water meters do not require an external power supply, no moving parts and, compared to conventional meters, significantly lower hydraulic losses. The Flomic water meters also include pulse and 4-20mA outputs.</p>
PRODUCT SPECIFICATION	
✚ Nominal diameter DN	32/40/50/65/80/100/125/150/200
✚ Overload flow rate q [m ³ /h]	12/20/30/50/80/120/200/300/360
✚ Nominal flow rate q [m ³ /h]	6/10/15/25/40/60/100/150/250
✚ Transitional flow rate q [m ³ /h]	0.48/0.8/3/5/8/12/20/30/50
✚ Minimum flow rate q _{min} [m ³ /h]	0.12/0.2/0.45/0.75/1.2/1.8/3/4.5/7.5
✚ Pulse output constant k [l/imp]	10/25/25/50/50/100/100/100/100/
✚ Nominal pressure PN	16
✚ Accuracy class	B according to CSN ISO 4064-1
✚ Temperature of measured fluid	0 - 50°C
✚ Ambient temperature	0 - 50°C
✚ Flow rate sampling period	1s
✚ Display unit	Single line 8-digit LC display
✚ Power supply	Li battery 3.6V/16Ah, lifetime 6 to 8 years
✚ Protection class	IP67
✚ Pressure loss	Less than 0.1 bar at q
✚ Outputs	Passive pulse U = 5 to 30V, I = 10mA
✚ Optional accessories	Displayed units – gal, GPM Passive current output 4 to 20mA, U max = 24V Communication interface M-Bus Storage of measured data Optical interface, GSM communication Remote electronic unit Flow sensor in IP68 design (with remote electronic unit) Pressure measurement in piping Meter version for drinking water

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<p>PRODUCT SPECIFICATION</p>	
<p>✚ Nominal diameter DN</p>	<p>32/40/50/65/80/100/125/150/200/250/300</p>
<p>✚ Minimum flow rate q [m³/h]</p>	<p>0.125/0.2/0.315/0.5/0.8/1.25/2.0/3.15/5.0/8.0/12.5</p>
<p>✚ Transient flow rate q [m³/h]</p>	<p>0.2/0.32/0.504/0.8/1.28/2.0/3.2/5.04/8.0/12.8/20</p>
<p>✚ Steady-state flow rate q [m³/h]</p>	<p>25/40/63/100/160/250/400/630/1000/1600/2500</p>
<p>✚ Flow-rate overloading q_{min} [m³/h]</p>	<p>31.25/50/78.75/125/200/312.5/500/787.5/1250/2000/3125</p>
<p>✚ Pulse constant k [l/imp]</p>	<p>10/25/25/50/100/100/250/250/500/500/1000</p>
<p>✚ Maximum permitted pressure PN</p>	<p>1,6 MPa, 4 MPa (classes MAP 16 and MAP 40)</p>
<p>✚ Temperature class</p>	<p>Compact meter version – T90 (0.1 to 90°C) remote version</p>
<p>✚ Measurement accuracy</p>	<p>According to EN 14154</p>
<p>✚ Pressure loss class</p>	<p>P10 (less than 0.1 bar at Q)</p>
<p>✚ Flow profile sensitivity class</p>	<p>U5 and D3</p>
<p>✚ Measurement range Q/Q</p>	<p>R200</p>
<p>✚ Climate and mechanical resistance</p>	<p>Class C</p>
<p>✚ Electromagnetic resistance</p>	<p>Class E2</p>
<p>✚ Ambient temperature</p>	<p>0 - 55°C</p>
<p>✚ Protection class</p>	<p>IP 67</p>
<p>✚ Flange connections</p>	<p>EN 1092-1, alternatively ANSI, JIS and AS</p>
<p>✚ Flow sensor construction material</p>	<p>Carbon or stainless steels</p>
<p>✚ Power supply</p>	<p>Li battery 3.6V/16Ah – guaranteed battery lifetime 6 years</p>
<p>✚ Measurement frequency</p>	<p>1Hz</p>
<p>✚ Display unit</p>	<p>Single-line 8-character LCD</p>
<p>✚ Outputs</p>	<p>Passive pulse U = 5 to 25V, I = 10mA, pulse length 2ms</p>
<p>✚ Optional accessories</p>	<p>Displayed units – gal, GPM Passive current output 4 to 20mA, U max = 24V Data communication via optical interface RS-232 or M-Bus communication interface Data archiving facility, data reading via a GSM module Optical interface, GSM communication Remote electronic unit Flow sensor in IP68 design (with remote electronic unit) Fluid pressure measurement within the range of 0 to 16bar Meter version for drinking water</p>

<p>Model: FL3085</p> 	<p>TYPE: Ultrasonic In-line Battery Powered flowmeters</p> <p>The Flomic water meters do not require an external power supply, no moving parts and, compared to conventional meters, significantly lower hydraulic losses. The Flomic water meters also include pulse and 4-20mA outputs.</p>
<p>PRODUCT SPECIFICATION</p>	
<p>✚ Nominal diameter DN</p>	<p>DN 200 –DN 1200</p>
<p>✚ Measurement accuracy</p>	<p>+/-1% for velocity of the measured liquid $v > 0.5\text{m/s}$</p>
<p>✚ Norminal Pressure</p>	<p>Standard PN10, non-standard PN16, PN 25 for DN200 – DN500</p>
<p>✚ Temperature of measured liquid</p>	<p>0 - 150°C</p>
<p>✚ Protection class (electronic unit)</p>	<p>IP 65</p>
<p>✚ Protection class (ultrasonic sensor)</p>	<p>IP 54 (IP 68)</p>
<p>✚ Ultrasonic probes</p>	<p>2 pieces US 2.1</p>
<p>✚ Flow-rate sampling period</p>	<p>1s</p>
<p>✚ Display unit</p>	<p>Single-line, 8 digit LC display</p>
<p>✚ Power supply</p>	<p>Battery life time min. 4 years</p>
<p>✚ Probe connecting cables</p>	<p>Max 20m</p>
<p>✚ Output</p>	<p>Passive pulse $U = 5$ to 30V, $I = 10\text{mA}$</p>
<p>✚ Communication interface</p>	<p>Communication line RS-232</p>
<p>✚ Optional accessories</p>	<p>Passive current output 4 to 20mA, $U_{\text{max}} = 24\text{V}$ communication interface M-Bus storage of measured dates Optical interface, GSM communication flow sensor in IP68 design (with remote electronic unit) Fluid pressure measurement within the range of 0 to 16bar Meter version for drinking water</p>

Sole Distributor in India:

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