

ULTRASONIC FLOW METERING & DOSING INSTRUMENT BAMOFLONIC



- 4 instruments ND 10 to ND 25
- For liquids either electrically conductive or not
- 4 scales, from 0.3 up to 240 L/min
- Analogue output: 0/4-20 mA
- Digital output: to configure on site
- Alphanumeric back lighted LCD display

PRINCIPLE / APPLICATIONS

The ultrasonic flow measurement is based on the phase difference approach. Two sensors are located opposite from each other, alternatively transmitting and receiving ultrasonic signals. With medium flowing there is a phase shift between transmitted and received signals. This phase difference is directly proportional to the flow rate.

As no moving parts are concerned, BAMOFLONIC is mechanically reliable.

It is convenient for liquids electrically conductive or not, such as: demineralized water, liquid cosmetics, bases or acids, as for these applications:

- Chemicals supply for controlling, logistics, monitoring
- Filling machines, dosing
- Cooling systems, logistics, monitoring

TECHNICAL FEATURES

Power supply: 24 V DC / 3.6 W

Connector: M12, Plug 5 pins

Display: Alphanumeric back lighted LCD

Outputs: Analogue output: 0/4...20 mA
Digital output: pulses or alarm for lack of fluid

OPTION: All parameters configuration,
(USB/ RS485 adaptor, with software),
or remote display module

Accuracy: Standard: $\pm 2\%$ of reading and ± 3 mm/s
OPTION: $\pm 1\%$ of reading and ± 3 mm/s,
 ± 6 mm /s for DN10 – 3/8" (according to VDI / VDE 2642)

Repeatability: $\leq 0.5\%$

Housing: PSU (Polysulfone)

Protection class: IP 67

Fluid: Temperature limits: -10...+80°C

Pipe fittings: BSP thread

(On request: NPT thread, Clamp connection DIN 11864-3, Tube nozzle)

CODE NUMBERS AND REFERENCES

Codes	776 010	776 015	776 020	776 025
DN	10	15	20	25
Range (l /min)	0.3...21	0.9...36	3.5...60	5.0...240
Range (l /h)	18...1260	54...2160	210...3600	300...14 400
Pressure, maxima	16 bar	16 bar	10 bar	10 bar
Fittings	BSP 1/2" G	BSP 3/4"	BSP 1"	BSP 1 1/4"

BAMO MESURES

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ULTRASONIC FLOW METRE BAMOFLONIC

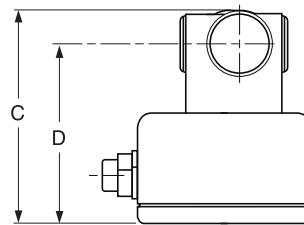
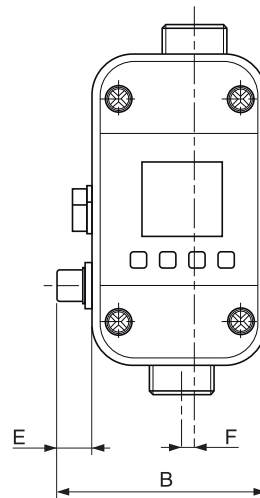
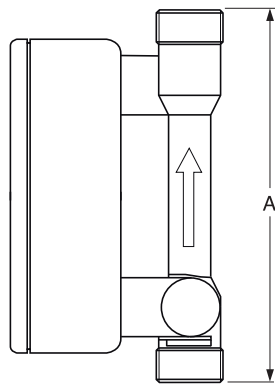
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DIMENSIONS



DN	Connection	A /mm	B /mm	C /mm	D /mm	E /mm	F /mm	Mass /g
DN10	BSP 1/2"	147.0	84.0	83.0	70.5	15.0	5.0	332
DN15	BSP 3/4"	147.0	84.0	84.5	71.1	15.0	5.0	344
DN20	BSP 1"	160.0	84.0	94.2	77.6	15.0	5.0	414
DN25	BSP 1 1/4"	168.0	84.0	98.5	77.6	15.0	5.0	454

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