

Level transmitter for Open Channels BAMOSONIC



- Level monitoring for Open Channels
- Range: up to 4 m
- No contact with the liquid
- Powered through the loop 4-20 mA; 2-wire
- Protection: IP 67

APPLICATIONS

BAMOSONIC is used to continuous monitoring of liquid level in open channels (Venturi or weir, data-sheets 755-01 & 755-02).

With a US beam angle of 6° it is perfectly suited for level measurement on exponential section channels (see date-sheet 755-30).

DESCRIPTION

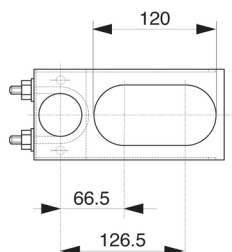
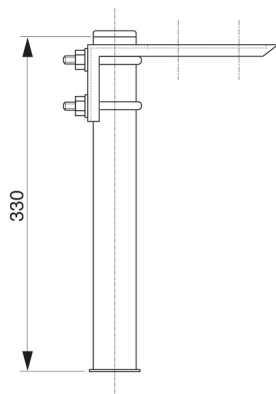
BAMOSONIC is a high performance ultrasonic transmitter with integrated transducer and electronic processing module. Compact, this transmitter is powered by the loop (4-20 mA; 2-wire) and stands out for its reliability and high accuracy.

Positioned above the surface of the liquid, the BAMOSONIC provides an output signal proportional to the liquid level.

The stainless steel support facilitates the positioning of the device over an open channel, particularly convenient for flow measurements in wastewater treatment plants.

TECHNICAL FEATURES

Measuring range	Up to 4 m (Upper dead zone of 20 cm)
Transducer	PP
Head housing	PBT
Fitting	BSP 1 1/2"
Liquid temperature	-30 ... +90 °C
Ambient temperature	-25 ... +70 °C
Pressure	0.5 ... 3 bar (absolute)
Seals	EPDM
Protection	Transducer: IP 68; Housing: IP67
Accuracy	± (0.2% of measured distance +0.05% of scale) <i>Under optimal conditions and stabilized temperature</i>
Resolution	< 2 m: 1 mm; from 2 to 4 m: 2 mm
Beam measuring angle	6°
Power supply	12 ... 36 V DC; 48 ... 720 mW
Output signal	4-20 mA; 2-wire
Electrical connection	Cable glands: 2 of M20x1.5 and 2 of NPT 1/2" For cable: Ø 6 to 12 mm Wire cross section: Max. 1.5 mm ²
Electrical protection	Class III



CODE NUMBERS AND REFERENCES

Code	Reference	Description
597 200	BAMOSONIC N-PP 4m	Ultrasonic level transmitter
597 902	BAMOSONIC N-DIS	Programming module
755 501	SP/BAMOSONIC	Holder AISI 316 L (height 300 mm)

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