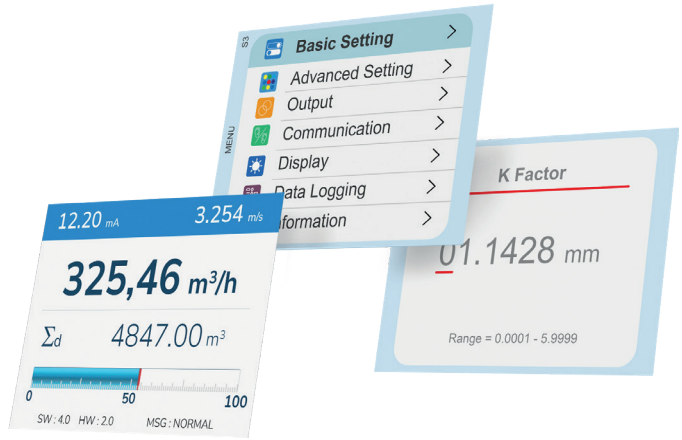
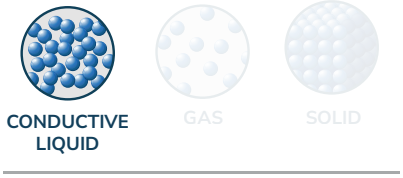
FALT
Insertion Magnetic Flow Transmitter

Flow | Pressure | Level | Temperature | Analysis | Control







WiFi | Bluetooth

OVERVIEW

Description

The new FALT is flow sensors without moving mechanical parts which can be applied for the mesurement of dirty liquids so long as they are conductive and homogeneous. The FALT family can provide 4-20 mA output for long distance transmission and PLC connection and the new volume pulse output freely settable.

Application

- Water and waste water treatment
- Raw water intake
- Industrial water distribution
- Textile industry
- Pools, spas and aquariums
- HVAC
- Processing and manufacturing industry
- Sea water applications

Features

- No moving parts, no wear, maintenance free
- High mechanical resistance
- Accurate measurement of dirty liquids
- Adjustable flow rate range
- Low pressure drop
- User settable operating parameters
- 4-20 mA, frequency or volumetric pulse output
- Wireless communication bluetooth or wifi
- Special versions for salt-water applications (High concentrations of chlorides like sea water) and for high temperature conditions

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bass.com.tr

Bass Instruments

OPERATING DATA

Stroage Temperature

-30°C...+80°C

Ambient Temperature

-20°C...+70°C

Operating Temperature

-10°C...+60°C for PVDF
-10°C...+150°C for PEEK

Operating Pressure

Maximum 16 Bar

Electrical Conductivity

> 20 µS/cm

Accuracy

±3% of reading

Repeatability

±0.5% of reading

Humidity

%95 (non-condensing)

Enclosure

IP67

MEASURING RANGES

Flow Rate

0,1...8 m/s

Pipe Size

DN15...DN600

MATERIALS

Electronic Housing Material

ABS or aluminum

Wetted Parts

AISI 316L, Hastelloy C

Insulator Parts

PVDF, PEEK

Electrodes

AISI 316L, Hastelloy C

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ELECTRICAL DATA

Power Supply

12-24 VDC

Maximum Current Consumption

250 mA

Protective Earth

<10 Ω

Current Output

4-20 mA , positive or negative flow indication

Pulse Output

Max. 1 kHz, push-pull

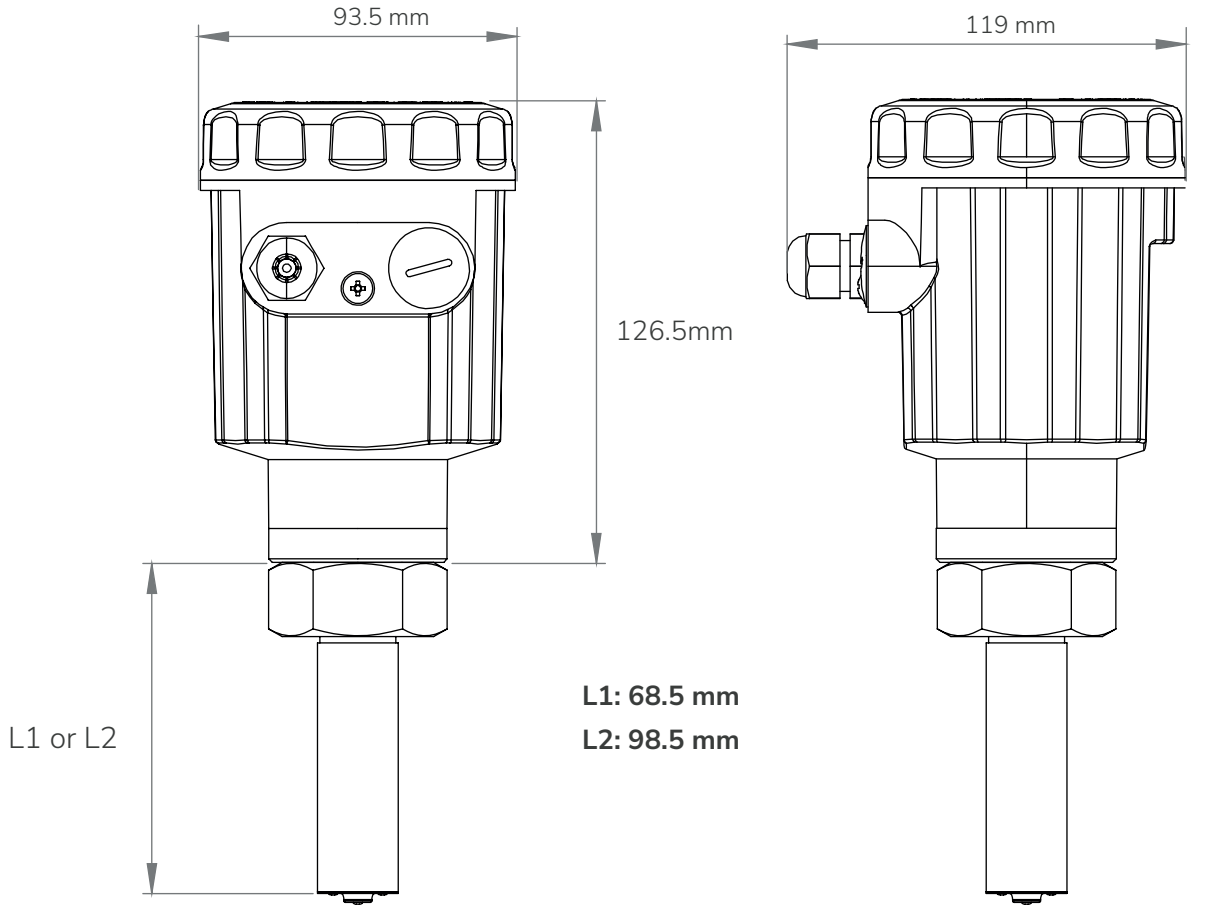
Maximum Loop Impedance

800 Ω for 24 VDC
250 Ω for 12 VDC

Relay Output

User selectable as MIN alarm, MAX alarm, Volumetric

TECHNICAL DRAWING AND DIMENSIONS



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ORDERING

Model	
FALT	Insertion Magnetic Flow Transmitter

Flow Direction	
1	Mono-directional
2	Bi-directional

Probe Lentgh	
S	Small length (68,5 mm) DN15...DN150
M	Medium length (98,5 mm) DN200...DN600

Electronic Housing Material	
PL	ABS Plastic
AL	Aluminum

Insertion Connection	
1	G1 1/4" - F
2	G1 1/2" - F
3	DN50 PN40 Flanged

Connection Method	
ST	Direct Mounting
HT	Hot-tap Connection with 2" threaded ball valve
HF	Hot-tap Connection with DN50 flanged ball valve

Wetted Parts	
SS	AISI 316L
HC	Hastelloy C

Electrodes	
SS	AISI 316L
HC	Hastelloy C

Insulator Parts	
PV	PVDF
PE	PEEK

Power Supply	
1	12 VDC
2	24 VDC

Electronic Display	
NN	None
TF	TFT Graphic Display, Rate and total

Communication	
NN	None
RS	RS485 MODBUS

Wireless Communication	
NN	None
BL	Bluetooth
WF	Wi-Fi

+

Mounting Accessories	
INSS1	Weld-on Adaptor for L1
INSS2	Weld-on Adaptor for L2
CSPV	PVC Clamp Saddles D63...D225
WFPV	PVC Wafer Fittings D63...D315

*Others on request


PVC Clamp Saddles


PVC Wafer Fittings


Weld-on adaptor

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