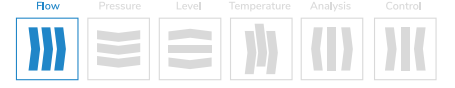


BSUF-TTHM

Line Type Ultrasonic Flowmeter



OVERVIEW

Operation

The BSUF-TTHM Inline Ultrasonic Flowmeter provides a lot of capabilities for accurate liquid flow measurement. It utilizes state-of-the-art technologies on ultrasonic transmission/receiving, digital signal processing and transit-time measurement.

The BSUF-TTHM is an ultrasonic flow meter designed for heating, cooling or combined heating/cooling application in local and district energy systems.

Features

- Water, including hot water, chilled water, sea water etc. Secondary sewage, waste treatment
- Oil, including lubricating oil, diesel oil, fuel oil etc. Chemicals, alcohol, acids
- Solvents
- HVAC, energy systems, food and pharmaceutical industries

Features

- Cost effective and versatile
- High Accuracy
- Non-invasive, no moving parts, no pressure drop, no maintenance
- Easy and economical installation
- Wide measuring range Wide pipe size range
- Velocity, volumetric and totalized flow display Rich input and output functionalities
- Ideal for both clean and opaque liquid flow measurements in fact, most any liquid containing less
- than 5% total suspended solids (TSS) or aeration
- Bi-directional, totalizer for net, positive and negative flow display



OPERATING DATA

Temperature

-30 ... 160°C
-20 ... 60°C tor display

Accuracy

±0.5 % of reading tor velocity above 1.0 fl/s

Repeatability

±0,2 % of reading

Response Time

0,5 s

Display

LCD with backlight, 2x20 letters Display flow rate, total flow (positive, negative and net flow) ,velocity, time, etc.

Enclosure

IP67 tor display

Pipe Requirement

8D , if a pump is near 15D (D: Pipe diameter)

Units

English(BTU), English(U.S.) or Metric

Liquid Types

Virtually most any liquid containing less than 5% total suspended solid(TSS) or aeration

Connection

Flanged

ELECTRICAL DATA

Current Output

4...20 mA

OCT Output

Pulse

Impedance

0...1000 ohms

Power Supply

14-28 VDC @3VA max.

Communication

RS485 Modbus RTU

Cable

Standart 6m tor remote version Can be extended to 300 m

MEASURING RANGES

Velocity

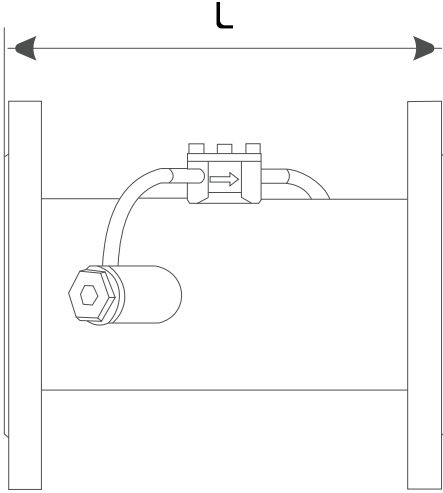
0,01...12 mis {bi-directional)

Line Size

DN15...DN600



TECHNICAL DRAWING AND DIMENSIONS



Nominal Diameter(DN)	Pressure Level(MPa)	Length(mm)	Ordering Code
40	1,6	300	0040
50	1,6	300	0050
65	1,6	330	0065
80	1,6	225	0080
100	1,6	250	0100
125	1,6	275	0125
150	1,6	300	0150
200	1,6	350	0200
250	1,6	450	0250
300	1,6	500	0300
350	1,0	550	0350
400	1,0	600	0400
450	1,0	700	0450
500	1,0	800	0500
600	1,0	1000	0600
700	0,6	1100	0700
800	0,6	1200	0800
900	0,6	1300	0900
1000	0,6	1400	1000

ORDERING

Model	
BSUF-TTHM	Ultrasonic Flowmeter

Measuring	
F	Flow
H	Heat

Display	
C	Compact
R	Remote

Nominal Diameter	
XXXX	Please see "technical drawings table" for code

Pipe Material	
CS	Carbon steel
XX	Please contact us for other materials

