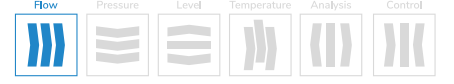


BSUF-TTCP

Ultrasonic Flowmeter



OVERVIEW

Operation

The BSUF-TTCP wall-mount Clamp-on Ultrasonic Flowmeter family provides abundant capabilities for accurate liquid flow measurement from outside of a pipe. It utilizes state-of-the-art technologies on ultrasonic transmission/receiving, digital signal processing and transit-time measurement. The proprietary signal quality tracking and selfadapting technologies allow system to optimally adapt to different pipe materials automatically.

Application

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

Features

- Simple installation
- High Accuracy
- Noninvasive, no moving parts, no pressure drop, no maintenance.
- Wide measuring range
- Suitable for all commonly used pipe materials
- Signal quality tracking and self-adjusting capabilities
- Automatically match transducer to pipe materials
- Velocity, volumetric and totalized flow display
- Easy to use and set up. Self-explanatory menu-driving programming Reynolds number enter option
- Rich input and output functionalities
- In fact, most any liquid containing less than 5% total suspended solids(TSS) or aeration or 10000 mg/l
- Bi-directional. Totalizer for net, positive and negative flow display



OPERATING DATA

Temperature

-40°C... +90°C
-40°C...+160°C with HT sensors

Accuracy

±1.0%

Repeatability

±0,2%

Response Time

0,5 sec.

Weight

3 kg

Language

Turkish, English

Gas Type

NO2

Cable

6 m standart, 300 m max.

Display

LCD with backlight, 2x20 letters

Datalogger

500000 data recording

Enclosure

IP66 for display
IP68 for transducers

Pipe Requirement

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

Memory

Data logger (optional)

MEASURING RANGES

Velocity

0...10 m/s (bi-directional)

Line Sizes

DN15...100 for small sensor
DN50...700 for middle sensor
DN300...6000 for large sensor

ELECTRICAL DATA

Current Output

4...20 mA

OCT Output

Pulse

Impedance

0...1000 ohms

Power Supply

10-28 VDC @ 3VA max
115/230 VAC 50/60 Hz 15%
6VA max.

Communication

RS485 Modbus RTU, USB



ORDERING

Model	
BSUF	Ultrasonic Flowmeter

Type	
TTCP	Wall-Mount Clamp-on

Sensor	
BS1	Small sensor DN15...DN100
BM1	Middle sensor DN50...DN700
BL1	Large sensor DN300...DN6000
BHTS1	Small sensor, High temperature
BHTM1	Middle sensor, High temperature
001	Small and middle sensors
002	Middle and large sensors
003	Small, middle and large sensors
0111I	Small and middle high temp. sensors

Cable Length	
XX	Cable length (please specify as unit is meter)

