



# MTTHSLP

## Portable ultrasonic flowmeter

ELECTRONIC  
EQUIPMENT

ACOUSTIC

WEIGHING

ANTI-TILTING

VALVES

TEMPERATURE

DETECT  
A FIRE®

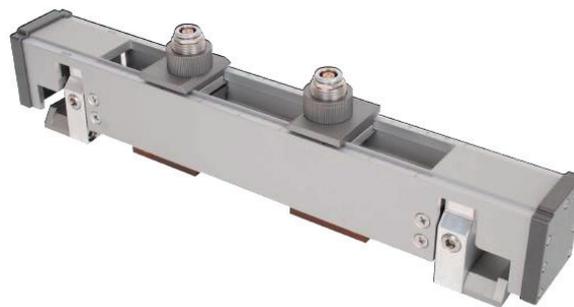
FLOW/  
RATE

DENSITY

INTERFACE

PRESSURE

LEVEL



The MTTHSLP clamp-on ultrasonic flowmeter is the ideal instrument for multi-point flow measurement. It comes with a sturdy protective enclosure. The metal enclosure of the transmitter features high wear and corrosion resistance, easy-to-install mounting racks with our unique transducer design. The ergonomic hand-held design and a backlit digital colour display, a rechargeable lithium-ion battery for 12 hours of continuous operation. The transducers use a powerful ultrasonic pulse with improved signal processing, requiring only one set of transducers for a wide range of pipe installations from DN25 ~ DN5000. The data are saved on an SD card and transferred to an external evaluation system. The 2GB SD memory card

allows the recording of a large amount of data. All this makes MTTHSLP the ideal device for flow measurement.

### Features and benefits

- Accuracy: 0.5% of measured value
- Repeatability: 0.15%
- User-friendly with Clamp-on transducers for easy installation
- Durable materials
- Wide temperature range -40°C ~ +120°C
- Rechargeable lithium batteries with 12 hours of continuous use
- 2GB SD card



# Technical specifications

## PORTABLE FLOWMETER

Measurement range	0~ ±12 m/s
Repeatability	0.15%
Accuracy	0.5% ±0.5m/s~±5m/s
Suitable for pipes from	25mm to 5000mm
Keyboard	22 membrane keys
Display	4.3" TFT LCD backlit
Power supply	Rechargeable lithium batteries for 12 hours continuous use
Enclosure material	Aluminium, IP65
Outlet	4~20mA
Transducers Clamp on Operating temperature	-40°C ~ +120°C
Cables length	Standard 5m

### Case



### Example of installation



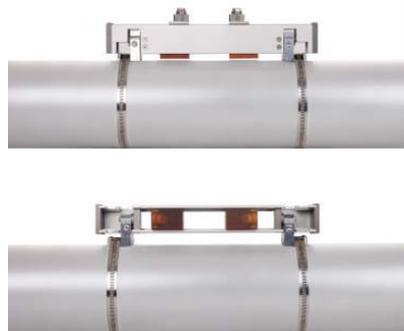
### Main transmitter features

We choose high-quality material to develop our transmitter enclosure with a special processing treatment that offers the advantages of improved wear resistance and insulation. The dust-proof design protects the transmitter from dusty environments.

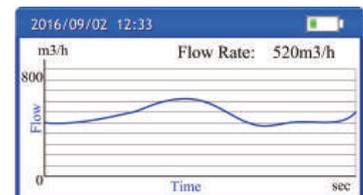
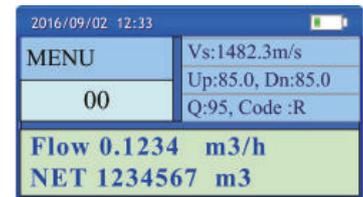


### Main features of the transducer

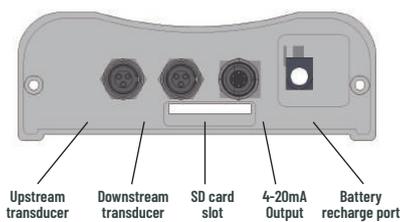
The Clamp-on transducer with its robust design provides an easy to install and durable solution.



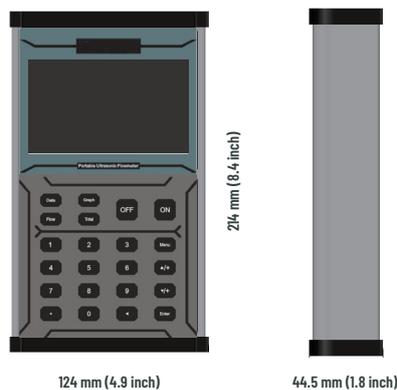
### User-friendly interface



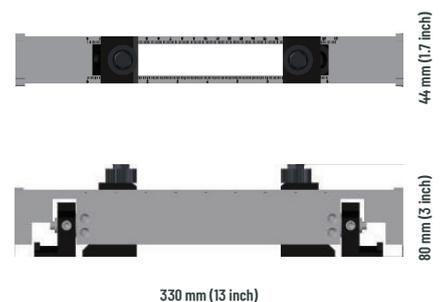
### Connections



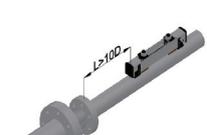
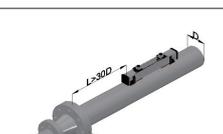
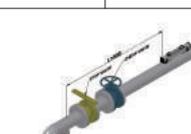
### Transmitter size



### Transducer size



# Selection of measurement site

Name	Straight upstream sections	Straight downstream sections	Name	Straight upstream sections	Straight downstream sections
90° curve			Reducer		
C			Valve		
Increase D			Pump		

# Transducer Clearance

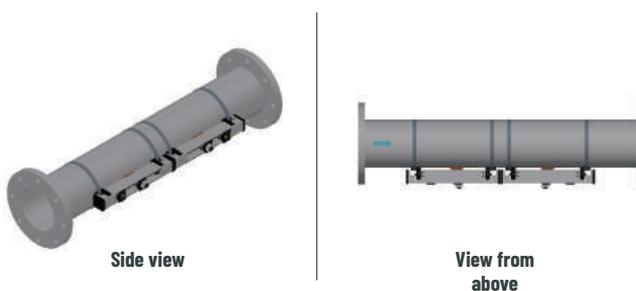
## V-method

The V-method is considered the standard. Solicitation is the most precise method and is used for pipe diameters from 25mm to 400mm.

### DN25~DN125



### DN125~DN300



## Z-method

The Z-method is used for measuring the flow rate of large pipes, from 100mm to 3000mm.

We recommend the Z-method for pipes larger than 300mm.

