

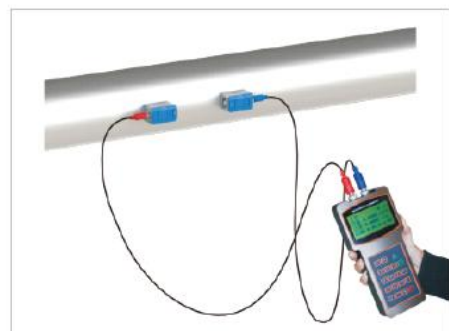
# Handheld Ultrasonic Flow Meter



## Features

- High Accuracy: 1%.
- Wide measuring range Several types transducer for selection, pipe size from Dn15mm to Dn6000mm.
- Large capacity battery Built-in rechargeable Ni-MH battery, provide over 12 hours of continuous operation.
- Non-intrusive measuring Non-intrusive, clamp-on transducer, no pressure drop, no pipe disturbance.
- Support Multiple Language Menu Chinese, English, Italy and other languages can be customized.
- Large LCD display :Display instantaneous flow, accumulated flow(positive, negative and net), velocity, working status etc.
- Built-in data logger Built-in 24K data logger, store over 2000 lines measuring data. This flow meter can be virtually applied to a wide range of measurement.
- A variety of liquid application can be accommodated: ultra-pure liquids, potable water, chemicals, raw sewage, reclaimed water, cooling water, river water, plant effluent. Etc

## Measuring Diagram



### Clamp on transducers

- 1.Install the clamp on transducer(with Magnet) on the pipe,can finish the flow Measurement.no pressure drop,no need Cut off pipe.
- 2.Several types transducers for selection, Measuring pipe size from DN15mm to

Dn6000mm.  
3.Several types transducers for selection.



### Clamp on Mounting Bracket Transducers

- 1.Bracket transducer can simplify the ultrasonic Flowmeter installation process,shorten installation process,shorten installation time And improve installation accuracy.
- 2.Install the clamp on bracket transducer(with Magnet)on the pipe,can finish the flow measurement.No pressure drop,no need cut off pipe.
- 3.Several types bracket transducers for selection, Measuring pipe size from DN15mm to DN7000mm.4.Several types bracket transducers for selection, Measuring temperature range from -30°C to160°C.

## Optional Transducer

| Types                                | Picture | Spec.       | Model   | Measurement Range | Temperature | Dimension  |
|--------------------------------------|---------|-------------|---------|-------------------|-------------|------------|
| Clamp on                             |         | Small Size  | TS-2    | DN15~DN100        | -30~90°C    | 45X25X32mm |
|                                      |         | Medium Size | TM-1    | DN50~ DN700       | -30~90°C    | 64X39X44mm |
|                                      |         | Large Size  | TL-1    | DN300~ DN6000     | -30~ 90C    | 97X54X53mm |
| High temp. clamp on                  |         | Small Size  | TS-2-HT | DN15~ DN100       | -30~160C    | 45X25X32mm |
|                                      |         | Medium Size | TM-1-HT | DN50~ DN700       | -30~160C    | 64X39X44mm |
|                                      |         | Large Size  | TL-1-HT | DN300~ DN6000     | -30~160C    | 97X54X53mm |
| Mounting bracket clamp on            |         | Small Size  | HS      | DN15~ DN100       | -30~90C     | 318X59X85m |
|                                      |         | Medium Size | HM      | DN50~ DN300       | -30~90C     | 568X59X85m |
|                                      |         | Extended    | EB-1    | DN300~DN700       | -30~90C     | 188X59X49m |
| High temp. mounting bracket clamp on |         | Small Size  | HS-HT   | DN15~ DN100       | -30~160C    | 318X59X110 |
|                                      |         | Medium Size | HM-HT   | DN50~ DN300       | -30~160C    | 568X59X110 |
|                                      |         | Extended    | EB-1-HT | DN300~ DN700      | -30~160C    | 188X59X49m |

## Data Sheet

| Items               | Performance & Parameter   |  |
|---------------------|---|--|
| Converter           | Principle   | Transit- time ultrasonic flow meter  |
|                     | Accuracy  | ±1%  |
|                     | Display   | 4×16 character LCD with backlight, support the language of Chinese, English and Italy  |
|                     | Signal Input  | 1 way OCT pulse output (Pulse width 6~1000ms, default is 200ms)  |
|                     | Data Interface  | Insulate Rs232 serial interface, upgrade the flowmeter software by computer  |
| Special Cable       | Twisted-pair cable, generally, the length under 50 meters ;Select the RS485, transmission distance can over 1000m |  |
| Pipe                | Pipe Material   | Steel, Stainless steel, Cast iron, Copper, Cement pipe, PVC, Aluminum, Glass steel product, liner is allowed   |
| Installation        | Pipe Diameter   | 15~ 6000mm   |
| Condition           | Straigh Pipe  | Transducer installation should be satisfied: upstream10D, downstream 5D, 30D from the pump   |
| Measuring Medium    | Type of Liquid  | Single liquid can transmit sound wave, such as Water (hot water, chilled water, city water, sea water, waste water, etc.); Sewage with small particle content; Oil (crude oil, lubricating oil, diesel oil, fuel oil, etc.); Chemicals (alcohol, etc.) ; Plant effluent; Beverage;Ultra-pure liquids, etc. |
|                     | Temperature   | - 30~160° C  |
|                     | Turbidity   | No more than 10000ppm and less bubble  |
| Working Environment | Flowrate  | 0~±10m/s   |
|                     | Temperature   | Convertor: -20~60C; Flow Transducer: -30~ 160C   |
|                     | Humidity  | Convertor: 85%RH; Flow Transducer:IP67   |
| Power Supply        | 3 AAA built-in Ni-MH batteries 1.2V(for over 12 hours of operation).90V-260VAC adapter                            |  |
| Power Consumption   | 1.5W  |  |
| Dimension           | 200*93*32mm (convertor)   |  |

## Order Guide

| SI-3127 | Transducer | Cable length |
|---------|------------|--------------|
|         | □          | □ m          |
|         | TS         |              |
|         | TM         |              |
|         | TL         |              |
|         | TS-HT      |              |
|         | TM-HT      |              |
|         | TL-HT      |              |
|         | TC-1       |              |
|         | TC-2       |              |
|         | G          |              |

Example: SI-3127-TM+10m

PS :Standard configuration= SI-3127-TM+5m×2 cable+ Stretcher+ Coolant(1pc)+Carrying case +Ruler

