

CLAMP-ON / INSERTION / PIPE MOUNTED

Ultrasonic Flow Meter



Wall Mounted

Flow Measurement

Introduction

ULTRAFLOW 7000 ultrasonic flow meter can be virtually applied to a wide range of in long-term online measurement.

A variety of liquid applications can be accommodated: ultra-pure liquid, portable water, chemicals, raw sewage, reclaimed water, cooling water, river water, plant effluent. etc

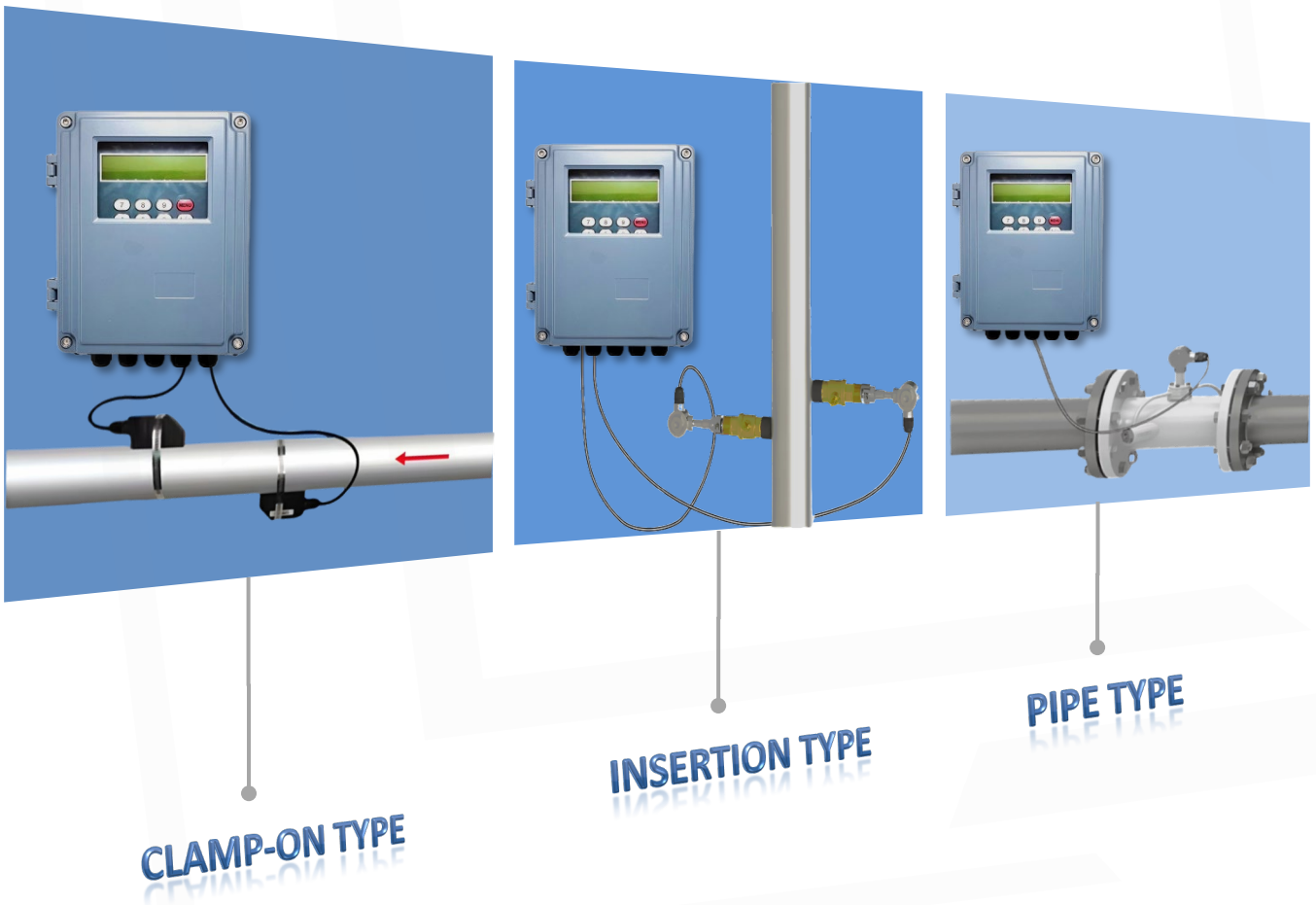


Features

- Measurement accuracy 1%.
- Transmitter protection class IP65, transducer protection class IP65/IP68.
- Wide measurement range, pipe size from DN15 to DN6000mm.
- Two kinds of shell: Aluminum shell, explosion-proof shell.
- Achieve heat measurement by connecting temperature transducer.





Connection Method

ULTRAFLOW 7000 transmitter can be connected to various types of transducers: clamp-on type, insertion type, pipe type, among which clamp-on type transducer is non-destructive to the pipeline.



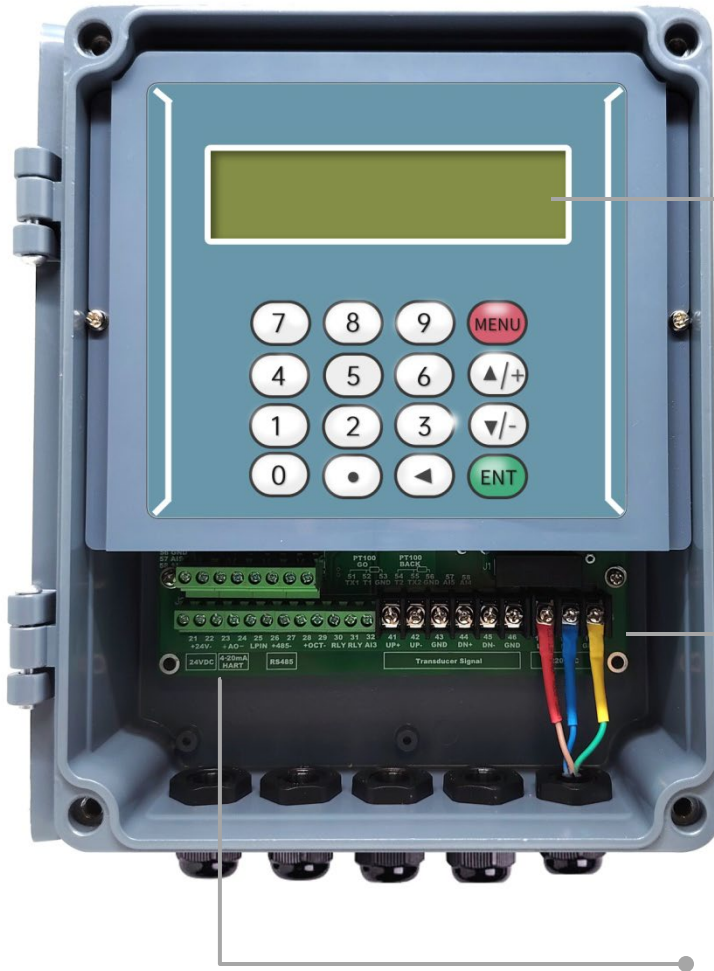
A pair of clamp-on transducers measure the flow from outside of a pipe. There is no pressure drop, no leaks and no contamination. The installation is simple and no special skills or tools are required.

Optional Transducers

| Types | Picture | Spec. | Model | Range | Temperature |
|-----------|---|----------|-------|------------|-------------------------------------|
| Clamp on |  | Small | S2 | DN25-100 | -30°C~160°C |
| |  | Medium | M2 | DN50-700 | -30°C~90°C (optional: -30~160°C) |
| |  | Large | L2 | DN300-6000 | -30°C~160°C |
| Insertion |  | Standard | TC-1 | DN80-6000 | -30°C~160°C |
| |  | Lengthen | TC-2 | DN80-6000 | -30°C~160°C |
| Pipe |  | Π type | G1 | DN15-32 | -30°C~160°C |
| |  | Standard | G2 | DN40-1000 | -30°C~160°C |



Optional Functions



Language customization

English

Italian

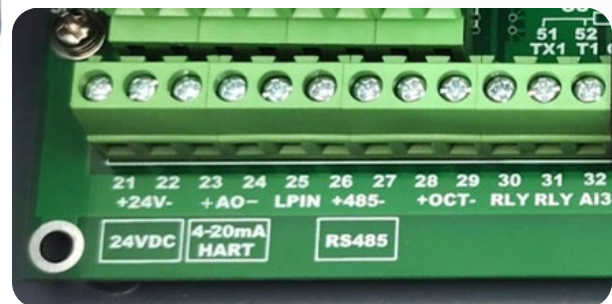
Turkish

Display customization

Temperature measurement

SD card

HART output



“ the most comprehensive customized services. ”

Technical Specifications

| | |
|------------------|---|
| Principle | Transit-time |
| Accuracy | ±1% |
| Output | 4~20mA analog |
| | OCT pulse |
| | Relay |
| | RS485,MODBUS |
| | HART (Optional) |
| Input | 3way 4~20mA analog input, acquisition signal of press and liquid level. |
| | Achieve heat measurement by connecting temperature transducer |
| Pipe Material | Steel, stainless steel, cast iron, copper, cement, PVC, aluminum, ect. |
| Pipe Size | DN15mm ~ DN6000mm |
| Medium | Single liquid that can conduct sound wave |
| Velocity | -12m/s ~ 12m/s |
| Cable | Shielded twisted-pair cable, length≤50m |
| Temperature | -30℃ ~ 90℃ (Optional: -30℃ ~ 160℃) |
| Protection Class | Transmitter: IP65; Transducer: IP65/IP68 |
| Power Supply | DC24V; AC85 ~ 264V; 50Hz; 1.5W |

Applications



Water Resources & Hydropower



Agricultural irrigation



Water supply net work



Cooling circulating water