

## Portable Ultrasonic Flow Meter

QTDS-100P Portable Ultrasonic Flow meter/heat meter, is suitable for any industry application of fluid flow/heat online calibration and measurement. Good at easy operation, high accuracy, good consistency, online printing, longer battery powered time, heat measurement, and so on. Widely used in Petrochemical, Metallurgy, Electricity, Water supply, Water conservancy, Energy Monitoring, etc.

- Accuracy: Better than 1%;
- Repeatability: Better than 0.2%;
- Power: 220VAC (standard), 110VAC (optional);
- Measurement circle: 500ms (Twice per second, one circle collect 128 group data);
- Installation: Clamp;
- Display: Two lines displaying (instant flow, total flow, signal status, etc);
- Communication protocol: MODBUS protocol, FUJI extension protocol;
- Printing output: Built-in one body thermal printer. (Can realize the real-time printing or fixed time printing);
- Data storage: Match with SD card data logger to store data of time, instantaneous flow, total flow, signal status, etc. Can read the data on the computer (Can only choose one from data storage and printing);
- Heat Function: Match with PT100 clamp platinum resistor can realize the heat measuring function;
- Other function : Self-diagnose , indicate the working status is normal or not.

### ■ Sensor Parameter

Parameter	Standard HS	Standard HM	Standard S2	Standard M2	Standard L2
Measuring range(mm)	15~100	50~700	15~100	50~700	300~6000
Material	Aluminum alloy		Plastic alloy		
Working frequency	1MHz				
Installation way	V(N,W)	V,Z	V(N,W)	V,Z	Z
Calibration	Whole set matching calibration				
Magnetic	With				
Temperature	0°C~160°C				
Protection	IP65				
Dimension(mm)	200x25x25	280x40x40	45x30x30	71x37x40	91x52x44
Weight(g)	250	1080	75	259	535
Fluid type	Water, Sea water, Sewage, Alcohol, Various Oil, Other sound wave conduction, single, uniform and stable liquid.				
Fluid turbidity	≤20000ppm and without much bubble				
Suitable pipe material	Carbon steel, Stainless steel, Cast iron, Copper, PVC, Aluminum, Glass fiber reinforced plastics and other Uniform density pipeline, Liner is permitted.				
Suitable pipe liner	Epoxy asphalt, Rubber, Mortar, Polypropylene, Polystyrene, Bakelite, PTFE, etc.				
Signal cable	Standard: 5m*2; 10M*2 and 15M*2 is available.				

## Portable Ultrasonic Flow Meter



- Friendly operation interface, Full Keyboard;
- Can transfer the data to computer easily by serial interface;
- Thickness gauge option, can measure the pipeline thickness;
- Battery power, can work 14 hours fully charged;
- Sensor: Sturdy and durable, Quickly install, High performance;
- With energy measurement function;