# **TDS-100 Series**

#### TRANSIT TIME ULTRASONIC FLOW METERS

#### Application

- Water and waste water management;
- Water and waste water treatment plants;
- Power plants, such as nuclear power plants and hydraulic power plants;
- Mining and metallurgy plants;
- Petroleum process monitoring and control;
- Chemical process monitoring and control;
- Pulp and paper process monitoring and control;
- Food and beverage processing;
- Marine maintenance and operation;
- Energy supply and production systems;
- Flow measurement networking,

#### Liquid

- 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, acids, etc.);
- Plant effluent;
- Beverage, liquid food;

### **Pipe Material**

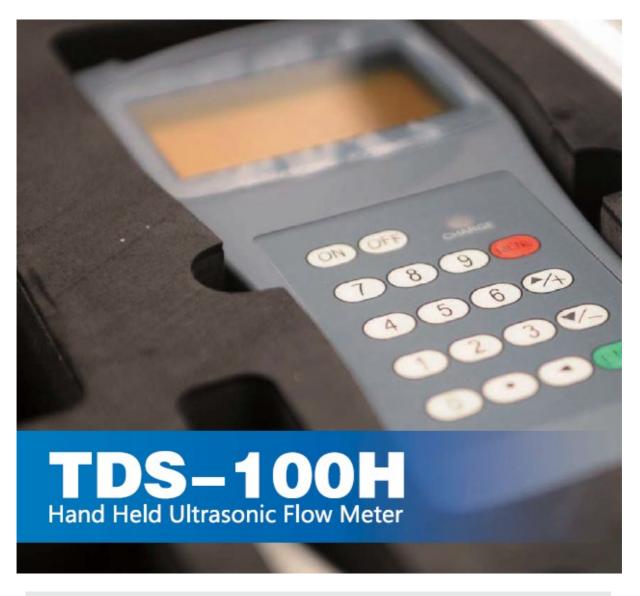
- Carbon steel
- Stainless steel
- Cast iron
- Ductile iron
- Copper
- ◆ PVC
- Aluminum
- Asbestos

Easy to use, non-invasive Accurate flow measurement Outside the pipe

## TDS-100H Hand Held Ultrasonic Flow Meter

TDS-100H is a completely non-invasive ultrasonic flowmeter using an ultrasonic signal to measure the flow rates with the transit time method. The unit has a built in datalogger for over 2000 lines of data and is optional for an external datalogger. TDS-100H has a pair of transducers capable of measuring flowrates in pipes from 15mm up to 6000mm at temperatures between 0 °C to 160 °C.





Technical parameters	HS-type	HM-type	S2-type	M2-type	L2-type
	5 To 6				
Pipe size (mm)	DN15~100	DN50~700	DN15~100	DN50~700	DN300~6000
Pipe size (inch)	( 1/2~4" )	( 2~28" )	( 1/2~4" )	(2~28")	( 12~240" )
Material	Aluminu	um alloy	Plastic alloy		
Frequency	1MHz				
Installation method	V ( N/V )	V/Z	V(N/W)	V/Z	Z
Calibration	Calibrate with main unit				
Magnetism	Magnetic				
Temperature	32F~320F ( 0 °C~160 °C )				
Protection class	IP65				
Cable	Shielded transducer cable, Standard length 5m×2, Can be extended to 10m×2 or 15m×2				