

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.



TDS-100H








- ◆ Better than 1% accuracy
- ◆ 4×16 LCD display
- ◆ Clamp-on IP65 sensors
- ◆ RS232 output
- ◆ Pipe diameters from 15mm to 6000mm
- ◆ Ni-MH battery operation of over 12 h
- ◆ 90~230VAC power supply
- ◆ Internal data logger



TDS-100H

Hand Held Ultrasonic Flow Meter

	HS-type	HM-type	S2-type	M2-type	L2-type
Technical parameters					
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	Aluminum 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℃~160℃)				
Protection class	IP65				
Cable	Shielded transducer cable, Standard length 5m×2, Can be extended to 10m×2 or 15m×2				