PORTABLE DIGITAL ULTRASONIC FLOW METER KIT

- ✓ **High Accuracy Ultrasonic Flow Meter, better than 1%.**
- ✓ **Wide Measurement Range from DN15~DN6000mm**
- ✓ **Rechargeable Power Supply: Built-in high-capacity NiMH rechargeable batteries will last more than 10 hours (Fully charged).**
- ✓ **Non invasion measurement, can achieve measurement with clamp on sensors**
- ✓ **Data Storage: 32K BIT built-in data storage can store two thousand rows of data**
- ✓ **LCD display can display the instant flow, total flow, flow velocity, and working condition**
- ✓ **Reduces installation time, improves installation accuracy. Easy installation, no need cut the pipe, no pressure loss**
- ✓ **Easy to install and no need to cut off the flow, no pressure loss**
- ✓ **Different transducer from DN15~DN6000**

The FDT-25 handheld ultrasonic flowmeter is designed to work with clamp-on transducers to enable the flow of a liquid within a closed pipe to be measured accurately without needing to insert any mechanical parts through the pipe wall or protrude into the flow system. Using ultrasonic transit time techniques, the FDT-25 is controlled by a micro-processor system which contains a wide range of data that enables it to be used with pipes with an outside diameter ranging from 15mm up to 6000mm (depending on model) and constructed of almost any material. The instrument will also operate over a wide range of fluid temperatures.

Specifications

Accuracy: ±1% of reading at rates >(0.2m/s) 0.6 ft/s

Repeatability: 0.2%

Linearity: 0.5%

Response Time: 0 to 999 seconds (user configured)

Velocity: (±32 m/s)

Media Temperature Range:

Standard Transducers: 0 to 90°C (32 to 194°F)

With High Temp Transducers: 0 to 160°C (32 to 320°F)

Operating Temperature: Meter, -20 to 60C (- 8 to 140F)

Operating Humidity: Meter, 85% RH

Pipe Size: DN 15 to 100 mm (0.75 to 4") standard [up to DN 6000 mm (236") with optional transducers]

Rate Units (User Configured): Meter, feet, cubic meter, cubic feet, USA gallon, liter, oil barrel, USA liquid barrel, imperial liquid barrel, million USA gallons

Totalizer: 7-digit totals for positive, negative and net flow

Liquid Types: Most liquids including clean water, sea water, waste water, chemical liquids, oil, crude oil, alcohol, beer, and more

Pipe Material: All metals, most plastics and

fiberglass (Liner allowed)

Security: Setup values modification lockout.
Access code needs unlocking.

Display: 4 x 16 English letters, 4 x 8 Chinese characters

Communications: RS232C (baud rate from 75 to 115,200 bps)

Transducer Cable Length: 5 m

Power: 3 "AAA" NiMH built-in batteries (included) with 100 to 240 VAC charger, fully charged lasts over 10 hrs.

Data Logger: Built-in, stores over 2000 lines of data

Totalizer/Calibration: 7-digit totals for net, positive and negative flow respectively press-to-go for calibration

Housing Material: ABS plastic with aluminum alloy protective carrying case

Case: (IP65)

Weight: 514 g (1.2lb)

To Order	
Model No.	**Description**
FDT-25	Handheld Ultrasonic Flow Meter Kit -- Three NiMH Rechargable Batteries Included. Kit includes Flow Meter, Small Standard Transducer (STD-HS), Transducer Cables, Chain, Clamp, Ruler, RS232 Cable (1 meter), Universal AC Power Adapter/Battery Charger, Acoustic gel for Standard Transducers
Accessories	
Model No.	**Description**
STD-HS	Standard Clamp on Transducer - Small (0 to 90C) Pipe Size DN15~DN100 (3/4" to 4")
STD-HM	Standard Clamp on Transducer - Medium (0 to 90C) Pipe Size DN50~DN700 (2" to 28")
STD-HL	Standard Clamp on Transducer - Large (0 to 90C) Pipe Size DN300~DN6000 (12" to 240")
HT-HS	Hi Temp Clamp on Transducer - Small (0 to 160C) Pipe Size DN15~DN100 (3/4" to 4")
HT-HM	Hi Temp Clamp on Transducer - Medium (0 to 160C) Pipe Size DN50~DN700 (2" to 28")
HT-HL	Hi Temp Clamp on Transducer - Large (0 to 160C) Pipe Size DN300~DN6000 (12" to 240")
STDGEL	Acoustic gel for Standard Transducers
HTGEL	Acoustic gel for High Temperature Transducers
TCH	Replacement Transducer Cable (Red & Blue) 5Mx2