

COMPU-FLOW™ TDS-100F1 ULTRASONIC TRANSIT TIME FLOW METER SYSTEM

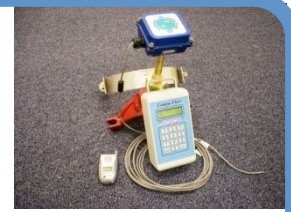


COMPU-FLOW™

www.compuflow.com

1-800-649-5331





**TECHNICAL SPEC: COMPU-FLOW™
ULTRASONIC TRANSIT TIME FLOW METER SYSTEM**

Model: TDS-100F1

TDS-100F1 is a fixed mounted ultrasonic flow meter, and can be operated with all our instrument transducers. The electronic enclosure is rated as IP65, thus, can be installed for both indoor and outdoor.

Operation Principle:

This ultrasonic flow meter utilizes the well-known transit-time measurement principle, plus our proprietary signal processing and ultrasonic transceiving technologies.

Signal Output:

- One channel standard isolation RS485 output.
- One channel isolation 4-20mA or 0-20mA active output.
- One channel OCT output (programmed between the pulse width (6-1000ms), default before leaving factory (200ms).
- One channel isolation relay output, with positive, negative, net accumulation pulses and different alarm signals.

Signal Input:

- Two channel three wire system PT100 platinum resistor input loop, to make heat meter has the function of displaying heat quantity.
- Three channel 4-20mA input optional, accuracy: 0.1%, has the ability to input the signals of pressure, liquid level, temperature and so on.

Features Included:

- Better than 1% accuracy
- 0.2% of repeatability
- 2x20 English letters LCD display
- 4x4 key tactile-feedback membrane keypad
- 85-264VAC or 24VDC power supply
- Pipe diameters from 15mm to 6000mm
- Operate with clamp on, insertion and flow-cell transducer
- Five channel analogue 4-20mA input. (version 7)
- One channel programmable 4-20mA output
- Two channel programmable digital out (isolated OCT and Relay)
- Frequency output
- IP65
- ★SD USB data memory (1G, 4G ,8G etc)



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