

FLOWDAQ® Ultrasonic Flowmeter System

This electronic module is used with either In-Line or Clamp-On flow sensors, measuring flow in tubes. The system calculates the proportional flow rates via the transit time difference between upstream and downstream ultrasonic signals. The system can provide information on flow rate, accumulated flow volume, sound speed in liquid, and signal strength. The

FlowDAQ® module is equipped with a 4.3" touch screen for display, controlling information on flow and system settings, and allowing zero calibration. The system can be connected to a computer through the UART serial port using a USB-Serial converted cable, and be configured using the system software. Instantaneous flow rate, flow history, and ultrasonic wave forms can all be displayed on the computer screen graphically. Flow information can also be exported and saved as data files for further analysis.



Applications:

- Medical Devices
- Laboratory Tests
- Bioprocessing
- Industrial Flow Measurements

Product Specifications		
Materials:	PC /ABS (CHIMEI PC-345)	
Display & Control:	Touch Screen	
Input Voltage & Current:	Voltage: 6 - 30 VDC	
	Current: 230 mA at 18 VDC	
Flowmeter Analog & UART Output:	UART	Analog
	Baud Rate: 115200	Output 1: +/-5V Flow Rate
	Data Bits: 8	Output 2: 0 - 2V Ultrasonic signal strength (must be between 0.4-2V to guarantee accurate measurements)
	Stop Bits: 1	
	Parity: None	
Connector Specifications:	Connector 1: Transducer	
	Connector 2: BNC, +/-5V Analog Output, Flow Rate	
	Connector 3: BNC, 0 - 2V Analog Output, Signal Strength	
	Connector 4: UART Digital Output	
	Connector 5: 6 to 30 VDC, Power Unit	

