

Stationary, portable and hybrid flow meters

Dynasonics® Doppler and transit-time meters have satisfied the necessary requirements in thousands of unique applications and a variety of markets, including water and wastewater treatment, oil and gas, coal-bed methane extraction, power generation, semiconductor process cooling, HVAC and many more.

Model DXN – Portable transit-time/Doppler flow meter

Hybrid Doppler and transit-time meter automatically switches and selects best technology as needed. High-tech product includes touch screen interface, full-color graphing, and wizard-based start-up and configuration. Clamp-on transducers and handheld, touch screen system provides users with fast and easy installation.

Applications

Portable flow measurements on clean, solids-bearing or gaseous liquids in closed full pipes from ½" to 120" (DN15 – 3000)



Model Fusion® – Hybrid ultrasonic flow meter



Automatically switches and selects best technology between Doppler and transit-time. Rugged, all metal construction ensures long service life in harsh outdoor environments. Flow-through stainless steel sensor design withstands adverse flow conditions without clogging, damaging or influencing accuracy. Fusion meters are completely calibrated and sensors are pre-installed on spool piece for easy and quick installation.

Applications

Fixed location installations on clean, solids-bearing or gaseous liquids in closed full pipes with ½", 1" and 2" (DN15 – DN50) NPT port sizes.

Dynasonics®

Dynasonics® is a registered trademark of Badger Meter, Inc.



Model DFX – Doppler ultrasonic flow meter

Non-intrusive, clamp-on for easy installation and low maintenance, with no process shutdown. Relatively insensitive to VFDs and other electronic or ultrasonic noise. Accurate and reliable with a user-friendly, field programmable rate/total display. Hot-tappable insertion Doppler probe available for pipe systems that do not permit ultrasound penetration.

Applications

Fixed location installations on liquids that contain useful suspended sonic reflectors in closed full pipes size from DN6 to DN1500.



Model Ultra Energy™ – Ultrasonic transit time energy flow meter



Used in conjunction with dual RTDs measures energy usage in BTU, tons, KJ, KW and MW, Ultra Energy™ is ideal for retrofit, chilled water, hydronic radiant heating and other HVAC applications. There is no need to depressurize, freeze or drain the liquid system for installation or maintenance. Includes ModBus® RTU via RS485 communications and optional 10/100 Base-T Ethernet communications which contains ModBus® TCP/IP, EtherNet/IP™ and BACnet®/IP compatibility. Large measurement range ensures reliable readings and reduces billing errors. Remote and integral mount systems available.

Applications

Fixed location installations on liquids with small amounts of suspended solids or aeration in closed full pipes size ½" to 2" (DN15 - DN50) for integral mount and ½" (DN15) and larger for remote mount systems.

Model TFX Ultra™ – Ultrasonic transit time flow meter

Clamp-on flow meter provides reliable readings with low installation costs, no pressure head loss, no moving parts, and no fluid compatibility issues. Measures in a variety of user-configured engineering units. *ULTRALINK™* software allows simple in-field programming, calibration and software upgrades. Industrial communications via RS485 ModBus® RTU protocol and 10/100 Base-T (ModBus® TCP/IP, EtherNet/IP™ and BACnet®/IP). Rugged, compact aluminum enclosure ensures a long service life in harsh environments.

Applications

Fixed location installations on liquids with small amounts of suspended solids or aeration in closed full pipes size ½" to 2" (DN15 - DN50) for integral mount and ½" (DN15) and larger for remote mount systems.



Model TFXL – Economical ultrasonic transit time flow meter



Designed to replace mechanical flow meters where liquid conditions tend to damage or impede operation. Low cost non-intrusive system clamps on the outside of the pipe requiring no maintenance. All meters provide two flow rate outputs: 4-20mA analog and 0-1,000 Hz rate pulse, permitting it to interface with a variety of monitoring equipment. *ULTRALINK™* Windows®-based software utility allows users to configure, calibrate and troubleshoot.

Applications

Fixed location installations on virtually all non-aerated liquids in closed full pipes size ½" to 2" (DN15 - DN50) for integral mount and ½" (DN15) and larger for remote mount systems.

Model UFX – Handheld ultrasonic Doppler flow meter

Small, lightweight, battery-powered flow verification instrument used on metal or plastic pipes. Large LCD provides velocity reading in either ft/s or m/s.

Applications

Portable flow measurements on liquids containing a minimum of 100 PPM* of 100 micron size suspended solids or aeration in closed full pipes size ¼" to 120" (DN6 – DN3000).

*Parts per million

