

# Product Summary



**Dynasonics**<sup>®</sup>

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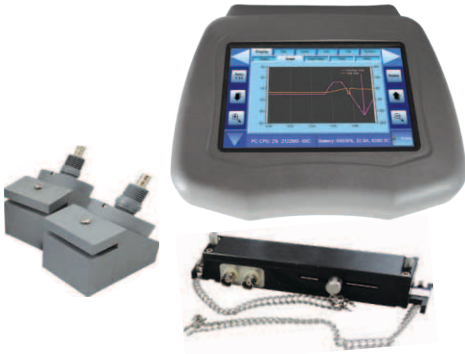
Dynasonics has been a leader in ultrasonic flow measurement for over 30 years. Dynasonics Doppler and transit time products have satisfied the necessary requirements in thousands of unique applications and a variety of markets; including water and wastewater treatment, oil and gas, coal-bed methane extraction, power generation, semiconductor process cooling, HVAC and many more.

The Dynasonics team is committed to providing customers with outstanding service, continuous product development and advanced technology in meeting future demands of the flow measurement industry.

**DXN** Portable Ultrasonic 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 hand-held, 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 size 1/2" (12 mm) and higher.



**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 1/2", 1", and 2" NPT port sizes.



**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 1/4" (6 mm) and larger.



## Ultra™ Energy Ultrasonic Transit Time Energy Flow Meter

Used in conjunction with dual RTDs measures energy usage in BTU, tons, KJ, KW and MW and 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" (12 mm) to 2" (50 mm) for integral mount and ½" (12 mm) and larger for remote mount systems.



## 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" (12 mm) to 2" (50 mm) for integral mount and ½" (12 mm) and larger for remote mount systems.



## 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-invasive 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" (12 mm) to 2" (50 mm) for integral mount and ½" (12 mm) and larger for remote mount systems.



## UFX Hand Held Ultrasonic Doppler Flow Meter

Small, lightweight, battery-powered flow verification instrument used on metal or plastic pipes. Large LCD provides velocity reading in either FPS (feet per second) or MPS (meters per second).

**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" (6 mm) and larger.





# RACINE FEDERATED INC.

Racine Federated Inc. is a private corporation celebrating forty years of continuous operation in Racine, Wisconsin, USA. The Company is comprised of several divisions that serve the construction, industrial, municipal and commercial markets worldwide. This includes six flow meter divisions representing a variety of measurement technologies including turbine, variable area, hydraulic testing, differential pressure, vortex shedding, and ultrasonic flow measurement. With this unique product mix and a team of dedicated and experienced personnel, RFI offers high quality and cost-effective solutions for most flow measurement applications.

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FORM PS 06/11

**RFI** Racine Flow Meter Group

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