XFT Series: Revolutionizing Flow Measurement

Easy, Non-Invasive Installation, & Reliable Performance

Clamp-On Design

No pipe cutting, no moving parts, no pressure loss, no contamination

Broad Compatibility

Supports 16–52mm pipes in stainless steel, PVC, PPR, and more



Smart Connectivity

MODBUS® RTU + analog outputs with integrated temperature measurement

Rotatable LCD Interface

True-color display with flexible orientation for easy viewing

Easy, Non-Invasive Installation

The XFT Series revolutionizes flow measurement with a clamp-on ultrasonic design. By eliminating the need for pipe cutting, welding, or unions, installation is quick and cost-effective. This non-invasive method also means zero contamination risk, no added pressure loss, and compatibility with existing piping—ideal for cooling and process systems where uptime is critical.

Reliable Performance, Zero Maintenance

Built with no moving parts, the XFT ensures stable, long-term accuracy without routine servicing. Its ultrasonic measurement technology maintains consistent ±2% FS accuracy over years of operation. For industries where downtime is costly, this translates into a lower total cost of ownership and greater peace of mind.

Intuitive Display & User Controls

Featuring an elegant full-color LCD with rotatable orientation, the XFT makes system monitoring simple. Users can view real-time flow rate, temperature, cumulative flow, and signal strength directly at the unit. Built-in parameter adjustment, password protection, and advanced calibration tools add flexibility for a wide range of system requirements.

Connected for Modern Systems

Beyond basic flow measurement, the XFT provides integrated analog and digital outputs—including MODBUS® RTU—for seamless integration into PLCs, BMS, or process monitoring platforms. It also measures pipe wall temperature, enabling simultaneous flow and thermal data collection from a single device, streamlining system design and monitoring.

Non-Invasive. Accurate. Reliable.



Chiller Systems



Water / Wastewater



Semiconductor



Data Center Cooling

XFT Specifications

- **Maximum Flow Rate**

PIPE SIZE	DIAMETER RANGE (OD)	GALLONS PER MINUTE	LITERS PER MINUTE
3/8"	16 to 18 mm	7.9 GPM	30 LPM
1/2"	18 to 23 mm	15.9 GPM	60 LPM
3/4"	23 to 28 mm	26.4 GPM	100 LPM
1"	28 to 37 mm	52.8 GPM	200 LPM
1.25"	37 to 44 mm	79.3 GPM	300 LPM
1.5"	44 to 52 mm	105.7 GPM	400 LPM

- **Fluid Media Compatibility**
  - Cooling Liquids (Water, Refrigerants, PG Coolants, etc.)
  - DI Water
  - Oil Substances, etc.
- **Pipe Material**
  - Stainless Steel, Copper, Iron
  - PVC, PPR
  - For other hard pipe materials, please consult the factory
- **Flow Accuracy**
  - Typical ±2% FS, Max ±3% FS
- **Fluid Temperature Range**
  - 0° C to +60° C (+32° F to +140° F)

XFT Competitive Advantages

- **Clamp-On Design -** No pipe cutting or fitting conversion required
- **No Moving Parts -** Ensures no pressure loss or contamination
- **User-Friendly Interface -** Elegant true-color LCD with rotatable orientation
- **Pipe Compatibility -** Supports diameters from 16 to 52mm (3/8" to 1.5")
- **Material Compatibility -** Works with stainless steel, Copper, Iron, PVC, PPR, and similar materials
- **Communication Interface -** Additional MODBUS® RTU support
- **Measurement Capability -** Includes analog temperature measurement
- **Certification -** CE/REACH/RoHS certified

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