Unrivalled advantages of non-intrusive flow measurement with FLUXUS®:
- No pressure losses
- Integrated temperature compensation
- No potential for leaks
- High accuracy and reliability: 0.15% of reading ± 0.03 ft/s
- Engineered for the measurement of highly corrosive media with extremely low flows: -40 °F to +390 °F (for gases up to +210 °F) and -310 °F to +1100 °F for liquids
- No process interruption for installation and maintenance
- No flow restrictions

Technical facts
- Transducer directly at pipe: Gases: > 45 psi for gases in steel pipes, SIL2 / FM Class I, Div. 1 / 2, ATEX, IECEx Zone 1 and 2 up to NEMA 6P / IP68
- Pipe sizes (outer diameter):
  - 0.03 to 115 ft/s: 1/4 inch pipes (up to 1.5 inch pipes)
  - 0.03 to 80 ft/s: 1/2 inch and larger pipes
- Liquids: without WaveInjector: < 0.001 gpm on 1/4 inch pipes (up to 1.5 inch pipes)
- Liquids: with WaveInjector: > 1 gal/h on 1/4 inch pipes
- Flow velocity / flow rate:
  - Without WaveInjector:
    - Liquids: 0.03 to 115 ft/s
    - Gases: > 1 gal/h on 1/4 inch pipes (up to 1.5 inch pipes)
  - With WaveInjector:
    - Liquids: 0.03 to 80 ft/s
    - Gases: > 1 gal/h on 1/4 inch pipes (up to 1.5 inch pipes)
- Calibrated accuracy: 0.15% of reading ± 0.03 ft/s
- Repeatability:
  - Liquids: > 1 gal/h on 1/4 inch pipes (up to 1.5 inch pipes)
  - Gases: > 1 gal/h on 1/4 inch pipes (up to 1.5 inch pipes)
- Operational limits for liquids:
  - Flow velocity: 0.03 to 115 ft/s
  - Mass flow rate: 0.03 to 80 ft/s
- Extremely low flows:
  - Liquids: without WaveInjector: < 0.001 gpm on 1/4 inch pipes (up to 1.5 inch pipes)
  - Liquids: with WaveInjector: > 1 gal/h on 1/4 inch pipes
- Limitations for liquids:
  - Flow velocity: 0.03 to 115 ft/s
  - Mass flow rate: 0.03 to 80 ft/s

Unique features of FLUXUS® flowmeters:
- Fully corrective for the measurement of fluid and gas flow rates in wet and dry pipe measurement: quality assurance
- Highly accurate and reliable: 0.15% of reading ± 0.03 ft/s
- Integrated temperature compensation
- High accuracy and reliability: 0.15% of reading ± 0.03 ft/s
- High accuracy and reliability: 0.15% of reading ± 0.03 ft/s
- Unrivalled advantages of non-intrusive flow measurement with FLUXUS®
- No pressure losses
- Integrated temperature compensation
- No potential for leaks
- High accuracy and reliability: 0.15% of reading ± 0.03 ft/s
- Engineered for the measurement of highly corrosive media with extremely low flows: -40 °F to +390 °F (for gases up to +210 °F) and -310 °F to +1100 °F for liquids
- No process interruption for installation and maintenance
- No flow restrictions

The FLEXIM Commitment to Customer Service
FLEXIM ensures not only a high-quality measuring instrument, but also a professional framework surrounding the product. Our Customer Service Team offers technical support and services, laboratory analyses, project planning, training, commissioning, maintenance, monitoring of measurement systems, and calibration. We have databases from our own calibration laboratories and international calibration services, and we can provide support and services to our own as well as our customers.

FLEXIM’s non-intrusive ultrasonic transit-time difference measurement method is suitable for determining the volume flow rate and mass flow rate of gases and liquids. FLEXIM products are SIL2 qualified and comply with all relevant international standards. FLEXIM's non-intrusive ultrasonic transit-time difference measurement method is suitable for determining the volume flow rate and mass flow rate of gases and liquids. FLEXIM products are SIL2 qualified and comply with all relevant international standards.

Versatile and fundamentally flexible
FLEXIM’s non-intrusive ultrasonic transit-time difference measurement method is suitable for determining the volume flow rate and mass flow rate of gases and liquids. FLEXIM products are SIL2 qualified and comply with all relevant international standards. FLEXIM’s non-intrusive ultrasonic transit-time difference measurement method is suitable for determining the volume flow rate and mass flow rate of gases and liquids. FLEXIM products are SIL2 qualified and comply with all relevant international standards.

The superior solution
Non-intrusive ultrasonic flow measurement with FLUXUS® and process analysers with PIOX®
- Accurate - Reliable - Safe - Efficient

FLUXUS® measurements cover a wide range of fluid types, from light liquids to highly viscous slurries, and from clean gases to highly corrosive liquids. FLUXUS® products are designed to measure flow rates, mass flow rates, and energy quantities in a wide range of applications, including process monitoring, quality control, and energy management. FLUXUS® products are SIL2 qualified and comply with all relevant international standards. FLEXIM's non-intrusive ultrasonic transit-time difference measurement method is suitable for determining the volume flow rate and mass flow rate of gases and liquids. FLEXIM products are SIL2 qualified and comply with all relevant international standards.
**Unrivalled advantages of non-intrusive flow measurement with FLUXUS®:**

- No pressure losses
- Accurate and repeatable measurement
- No limitations for liquids
- Engineered for the measurement
- Independent of pipe material, diameter, wall thickness and internal pressure
- Freely of wear and tear with no encapsulated media
- Certified for operation within hazardous areas (FM Class I, Div. 1 and 2, ATEX, IECEx Zone 1 and 2) and media temperatures from -310 °F up to 1100 °F. The FLUXUS range of flowmeters is also SIL2 qualified.

**Technical facts**

- Mass flow rate of liquids as well as gases and offers very high measuring dynamics in both flow directions. When combined with the FLEXIM Commitment to Customer Service, FLUXUS technology is truly a superior solution for virtually any flow measurement task, independent of pipe material, wall thickness and measurement range - even within hazardous areas (FM Class I, Div. 1 and 2, ATEX, IECEx Zone 1 and 2).

**Product characteristics like concentration and density can be monitored continuously online using PIOX process analysers:**

- FLEXIM’s non-intrusive ultrasonic transit-time difference measurement method is suitable for determining the volume flow rate and mass flow rate of liquids as well as gases.
- FLUXUS measures flow rates non-intrusively with ultrasound. Clamp-on ultrasonic transducers are simply mounted on the pipe for measuring the flow a short distance away. WaveInjector (if field calibrated):

**FLEXIM commitment to Customer Service:**

- Our aim is to set standards in all what we are doing.
- Providing the highest quality equipment with the best support and service possible.
- FLEXIM is an active leader in many areas of process instrumentation. As a worldwide provider of technical and consulting services, these services include online chemical, water treatment, and process analytics with PIOX process analysers.

**Versatile and fundamentally flexible**

- FLUXUS non-intrusive ultrasonic transit-time difference measurement method is suitable for determining the volume flow rate and mass flow rate of liquids as well as gases. FLUXUS products are designed in such a way that they can be modularly configured to meet user-specific requirements.
- A wide range of ultrasonic transducers, mounting fixtures and transmitters guarantee ideal adaptation to the individual measurement task, independent of pipe material, wall thickness and measurement range.

**Fluxmeters:**

- FLUXUS non-intrusive ultrasonic transit-time difference measurement method is suitable for determining the volume flow rate and mass flow rate of liquids as well as gases. FLUXUS products are designed in such a way that they can be modularly configured to meet user-specific requirements. FLUXUS non-intrusive ultrasonic transit-time difference measurement method is suitable for determining the volume flow rate and mass flow rate of liquids as well as gases. FLUXUS products are designed in such a way that they can be modularly configured to meet user-specific requirements.

**When measuring matters:**

- In partnership with FLUXUS®

**In partnership with FLUXUS®:**

- In partnership with FLUXUS®

**FLUXUS®**

- In partnership with FLUXUS®

**Chemical Industry Solutions**

- Non-intrusive Flow - Energy Efficiency - Quality-Control
Unrivalled advantages of non-intrusive flow measurement with FLUXUS®:

- No pressure losses
- Every measurement system is pre-calibrated in-house
- No potential for leaks
- Free of wear and tear with no moving parts
- Accurate and repeatable measurement
- 0.15% of reading ± 0.03 ft/s
- High accuracy and reliability
- No process interruption for installation - can be used right from the start of the pipe
- Highly cost-effective due to minimal installation and maintenance costs
- Certified for operation within hazardous areas (FM, ATEX, IECEx), SIL2 capable
- Integrated temperature compensation according to ANSI/ASME
- Unrivalled advantages of non-intrusive flow measurement:
- No need for maintenance, no calibration
- No pressure drops
- Highly accurate and reliable measurement even under extreme conditions
- Independent of flow material, diameter, line pressure or media temperature
- Accurate and repeatable measurement even under extreme conditions
- Flowmeters of the highest quality, independently certified

FLUXUS® is a high-precision solution for many process applications. As a worldwide leader in the non-intrusive flow measurement of liquids and gases, FLUXUS® has become known for its innovative ultrasonic technology providing the highest accuracy of measurement possible with ultrasound. FLUXUS® flowmeters can be operated using ultrasonic technology and refractometry. After passing the TR Boileau Company's demanding test procedures, in-house and第三方 laboratories ensure that FLUXUS® flowmeters meet the highest standards of accuracy and reliability.

FLEXIM® is an active member of various process associations. As a worldwide leader in the production of ultrasonic, refractometric and non-intrusive flow measurement devices, FLUXUS® continues to strive towards the highest standards of accuracy and reliability.

The FLEXIM Commitment to Customer Service

FLEXIM takes customer feedback very seriously. Every comment in order to maintain and further improve its position as an industry leader. In addition to non-intrusive flow measurement, FLEXIM specializes in innovative online process analysis using ultrasonic technology and refractometry. After passing the TR Boileau Company's demanding test procedures, in-house and第三方 laboratories ensure that FLUXUS® flowmeters meet the highest standards of accuracy and reliability.

FLEXIM is an active leader in many areas of process instrumentation. As a worldwide leader in the non-intrusive flow measurement of liquids and gases, FLUXUS® has become known for its innovative ultrasonic technology providing the highest accuracy of measurement possible with ultrasound. FLUXUS® flowmeters can be operated using ultrasonic technology and refractometry. After passing the TR Boileau Company's demanding test procedures, in-house and第三方 laboratories ensure that FLUXUS® flowmeters meet the highest standards of accuracy and reliability.

Versatile and fundamentally flexible

FLEXIM's non-intrusive ultrasonic clamp-on measurement method is suitable for determining the flow rate of gases, liquids or slurry flows. FLEXIM's ultrasonic flowmeters can be used non-intrusively in liquids, laboratory, process, or industrial environments. FLUXUS® ultrasonic flowmeters do not require any installation time and are easy to install and maintain.

The superior solution

Non-intrusive ultrasonic flow measurement with FLUXUS® and process analytics with PIOX®

Accurate - Reliable - Safe - Efficient

PIOX®: Measures flow rates non-intrusively with ultrasound. Clamp-on ultrasonic transducers are simply mounted on the outside of the pipe and send ultrasound through the pipe wall to measure the flow. This method is non-intrusive, reliable and flexible and allows flow measurement where conventional methods can't be used. The system is quick and easy to use and provides accurate flow measurement with no disturbance to the process.
Field-Proven Clamp-On Flow Measurement of Liquids and Gases

Flows in the Chemical Industry

State-of-the-Art Ultrasonic Technology for Flow Measurement at Chemical Sites

Modern, integrated thermal plateaus brings incredible versatility to the process industry. Especially in the field of chemical production, monitoring of exact substance parameters is essential for the operation of continuous processes. The PIOX Clamp-on Transmitter is a solution that meets these demands. The device functions without any piping work and can be mounted on the outside of the pipe. Without opening the pipe, it can be installed during ongoing operation. With its patented transmitted light principle, PIOX Clamp-on Transmitters, also offered in SIL2 qualified product variants, can be precisely monitored and balanced. Another significant advantage of the PIOX Clamp-on Transmitters is their non-intrusive bidirectional measurement of liquid or gas flow. They are completely pressure-independent and maintenance-fee.

Process Gases and Compressed Air Networks

Gases account for a great deal of energy use in the manufacturing sector. Safety is the key parameter in the field of chemical production, especially under hazardous conditions. FLEXIM’s F/Waveinjector® Process Clamp-on Transmitter for the measurement of gas and liquid flow rates in pipelines and Cylinders has been specifically developed for measuring process gases. It is the perfect solution for process gases such as nitrogen, oxygen, hydrogen, natural gas or biogas. FLEXIM's portable flowmeters also allow measuring thermal energy consumption as well as balancing and process interruptions. A more extreme example is LNG which is carried at -310 °F. Here, the Waveinjector® is mounted on flexible tubing, operators can be certain that FLUXUS® Process Clamp-on Transmitters are never a potential source for leaks or contamination. With PIOX® Clamp-on Transmitters, especially when measuring cryogenic applications, cryogenic applications can be measured with a high measurement range from -328 °F to 3172 °F. PIQX® is also different in SIL qualification variants.

PIQX® process analyzers for media identification, process tuning and density measurement are the perfect solution to the problem of corrosion due to the aggressive media and are prone to corrosion and contamination. Where media has to be ultra pure and protected from potential contamination, PIOX® Clamp-on Transmitters are the perfect solution. The F/Waveinjector® Waveinjector® technology is LNG which is carried at -310 °F. Here, the Waveinjector® is mounted on flexible tubing, operators can be certain that FLUXUS® Process Clamp-on Transmitters are never a potential source for leaks or contamination. With PIOX® Clamp-on Transmitters, especially when measuring cryogenic applications, cryogenic applications can be measured with a high measurement range from -328 °F to 3172 °F. PIQX® is also different in SIL qualification variants.

Acids and Caustics Production

Acids and caustics production are not only used in basic chemicals for the production of different raw materials for the chemical industry, such as solvents and base chemicals, but also for the purification of water. Both applications represent an incredible challenge for the measurement of mass and energy flows. Safety takes top priority. Continuous monitoring of all relevant process parameters is essential for ensuring a fault-free operation. Without any pipe work, during ongoing operation.

Solvants and Base Chemicals

Solvants and base chemicals such as various alcohols, phenols, aldehydes, ethers, amines and others are vital for the production of polymers and specialty chemicals. With its patented transmitted light principle, PIOX® Clamp-on Transmitters, also offered in SIL2 qualified product variants, can be precisely monitored and balanced. Another significant advantage of the PIOX® Clamp-on Transmitters is their non-intrusive bidirectional measurement of liquid or gas flow. They are completely pressure-independent and maintenance-free.
Field-Proven Clamp-On Flow Measurement of Liquids and Gases

Flows in the Chemical Industry

State-of-the-Art Ultrasonic Technology for Flow Measurement at Chemical Sites

Modern, integrated thermal processes bring on-site energy efficiency and high process safety with complete automation and process monitoring. To achieve maximum efficiency, in many cases, measurement and monitoring of the actual process parameters is essential for more efficient energy use and to ensure the right operating and process parameters. Avoiding unplanned stoppages and minimising losses and downtime is therefore of the utmost importance. Continuous monitoring of all relevant process parameters is essential for fault-free operation.

The PIOX Flow Measurement of Liquids and Gases

Field-Proven Clamp-On

In hazardous areas. FM and ATEX / IECEx certified transducers and permanent installation. They are not subject to wear and tear and do not cause pressure losses. This makes them the perfect choice for temporary plant shutdown and a corresponding loss of production. Since it is mounted on the outside of the pipe wall, FLUXUS flowmeters are therefore also offered in SIL2 qualified product variants. The inline PIOX® measuring system is mounted on the surface of the pipe and ensures laboratory accuracy in the process.

Acids and Caustics Production

Cryogenic applications require temperature probes for monitoring the medium temperature of cryogenic systems, which often exceeds 480 °F. With their patented transmitted light principle, PIOX® flowmeters are suitable for monitoring the medium temperature of cryogenic systems. The clamp on FLEXIM’s Waveinjector® plays out its full potential, providing accurate and reliable measuring data without any pipe work, during ongoing operation. Without any pipe work, during ongoing operation.

Water and Wastewater Lines

A large number of water and wastewater lines are subject to heavy wear and cause high pressure drops – leading to subsequent failure and possible pipe leakage. Since it is mounted on the outside of the pipe wall, FLUXUS flowmeters are never a risk for leaks and also allow the detection of costly leaks. Non-invasive measurement technology for monitoring the medium temperature of cryogenic systems.

Chemical Processes

Very high temperatures and pressure. Where fluids are often used as heat media or as the medium itself. Especially in the production of adipic acid (ADI). The FLEXIM’s Waveinjector® plays out its full potential, providing accurate and reliable measuring data without any pipe work. The clamp on FLEXIM’s Waveinjector® plays out its full potential, providing accurate and reliable measuring data without any pipe work. The clamp on FLEXIM’s Waveinjector® plays out its full potential, providing accurate and reliable measuring data without any pipe work.

Energy Efficiency Audits

Optimising energy efficiency is the basis for saving on wasted energy, for preventing unnecessary pressure drops, for reducing emissions and saving on material and resources, and for preventing unwanted production interruptions. With continuous monitoring of all relevant process parameters, Energy Efficiency Audits can be conducted. Energy Efficiency Audits can be conducted. Energy Efficiency Audits can be conducted.

Media Identification and Phase Separation

FLEXIM’s ultrasonic systems measure the acoustical velocity of the medium in the pipe non-intrusively, avoiding any risk of leaks. Depending on concentration and temperature, the density of the medium can also be determined non-invasively. Energy Efficiency Audits can be conducted. Energy Efficiency Audits can be conducted. Energy Efficiency Audits can be conducted.

Highly Pure Media in Flexible Tubing

Media Identification and Phase Separation

FLEXIM’s ultrasonic systems measure the acoustical velocity of the medium in the pipe non-intrusively, avoiding any risk of leaks. Depending on concentration and temperature, the density of the medium can also be determined non-invasively. Energy Efficiency Audits can be conducted. Energy Efficiency Audits can be conducted. Energy Efficiency Audits can be conducted.

Temporary and Check Metering

No measurement point within a chemical site needs to be constantly monitored by a permanent measuring system. FLEXIM’s Waveinjector® ultrasonic systems provide the perfect solution. As the metering system is mounted on the outside of the pipe, it can never be a risk for leaks and also allows the detection of costly leaks. Non-invasive measurement technology for monitoring the medium temperature of cryogenic systems.

Acids and Caustics Production

Cryogenic applications require temperature probes for monitoring the medium temperature of cryogenic systems, which often exceeds 480 °F. With their patented transmitted light principle, PIOX® flowmeters are suitable for monitoring the medium temperature of cryogenic systems. The clamp on FLEXIM’s Waveinjector® plays out its full potential, providing accurate and reliable measuring data without any pipe work.
Field-Proven Clamp-On Flow Measurement of Liquids and Gases

State-of-the-Art Ultrasonic Technology for Flow Measurement at Chemical Sites

Modern, integrated chemical plants highly scrutinize especially the selection of metering technology in hazardous areas. Field-proven ultrasonic technology is the method of choice when materials and processes demand the highest levels of safety and reliability, e.g. in the case of corrosive media like acids, caustics or other toxic compounds.

PIOX® Ultrasonic Process Analyser is a compact solution for media identification and phase separation in process streams. It analyzes all relevant signals to clearly differentiate various media from each other. The media or phase identification is never a cation task. The ultrasonic signal is measured to determine the concentration and temperature of the media. It is a non-intrusive technology which depends on concentration and temperature. The acoustic velocity is a characteristic media property which depends on concentration and temperature.

Acids and Caustics Production

In a typical acids and caustics production, acids are mostly used as raw material in the production and can be measured using ultrasonic technology. Ultrasonic technology is able to measure acids with high accuracy and precision and has the advantage of being insensitive to the kind of the material. Media that cannot be measured by conventional technologies can be measured by ultrasonic technology. In acids production, the ultrasonic technology is used for measuring sulfuric, nitric, hydrochloric, hydrofluoric and other acids as well as other media with temperatures above 480 °F.

Cryogenic Applications

Cryogenic applications occur when a gaseous product has a temperature below freezing (e.g., liquid nitrogen, liquid oxygen). In such cases, a gaseous product is chpelled and kept as a liquid under a high pressure. Such highly pressurized products are not easy to measure, especially in hazardous areas. A portable transmitter or a hazardous area portable liquid and gas flowmeter is necessary in such cases.
State-of-the-Art Ultrasonic Technology for Flow Measurement at Chemical Sites

Modern, integrated thermal power plants inherently require extremely accurate and reliable measurement technology for controlling and monitoring all relevant process parameters in a successful operation. This is especially true for high-temperature and hazardous environments. FAUN ultra-sonic flowmeters, which can be configured as a LAN, are completely maintenance-free and 100% fail-safe. A measurement system that is mounted on the outside of the pipe wall it is completely pressure-independent and maintenance-free to subsequent failure and possible pipe leakage. Since it is mounted outside the pipe, independent of the pressure and temperature inside. Also, the mounting on flexible tubing, operators can be certain that FLUXUS ® is never a source of pipe damage as it is completely non-invasive.

By using the patented WaveInjector ® process a maximum of 60% of the available thermal energy can be gained, thereby raising the efficiency of the plant. FLUXUS ® is the first ultrasonic flowmeter to have been successfully certified to the cryogenic requirement, as well as the requirements for high plus high pressure application (see FM and ATEX certification).

The clamp-on FLUXUS ® measuring system is mounted on the outside of the pipe wall independent of the pressure and temperature inside. Also, the mounting on flexible tubing, operators can be certain that an FLUXUS ® ® is never a source of pipe damage as it is completely non-invasive.

Energy Efficiency Audits

Teaming up in an extension to sector and sector-wide energy audits, FLUXUS ® is playing a leading role in establishing guidelines and standards. In doing so, FLUXUS ® processes some of the raw data with the help of advanced software to create energy efficiency profiles of whole plants or even complete networks. The result is not only accurate but also reliable, providing useful information with more than 50% of tailored methodology, as well as the inclusion of sector-specific data.

Cryogenic Applications

Cryogenic applications are common where gasification takes place, for example in coal fired cogeneration power plants. In these cases, frequent measurement is required, since it is a process that can be interrupted at any time. It is not only accurate but also reliable, providing useful information with more than 50% of tailored methodology, as well as the inclusion of sector-specific data.
Unrivaled advantages of non-intrusive flow measurement with FLUXUS®

- No pressure losses
- Accurate and repeatable measurement
- 0.15% of reading ± 0.03 ft/s
- Certified for operation within hazardous areas (FM, ATEX, IECEx), SIL2 capable
- Trouble-free and highly reliable
- Captures even the lowest flow
- No process interruption for installation - no potential for leaks

Technical facts

- Pressurisation:
- SIL Qualification:
- Ex approvals:
- Protection degree:

FLEXIM AMERICAS
In partnership with FLUXUS® frameworks.

Unique features of FLUXUS® frameworks:

- Unique concepts
- High accuracy due to minimal turbulence and correct positioning of the transducers
- Accurate and reliable measurement in extreme conditions
- Independently of pipe material, diameter, thickness and wall structure
- Elimination of pipe material, diameter changes and pipe connection over the entire measurement range
- Spending energy of the system
- Captures even the lowest flow
- No process interruption for installation - no potential for leaks

FLUXUS® is a pioneer in non-intrusive flow measurement. As a worldwide pioneer in this non-intrusive flow measurement of liquids and gases, FLUXUS® has been setting new standards by providing solutions with the highest accuracy and reliability. FLUXUS® is a high-tech developer and manufacturer of pressure, flow, level and temperature measurement solutions. FLUXUS® is the first choice for users requiring process analysis using ultrasonic technology and refractometry. FLUXUS® is determined to developing innovative, reliable and efficient measuring instruments. In research and development, FLUXUS® constantly improves the functionality of its products. FLUXUS® products are manufactured using high-quality components and state-of-the-art technology. FLUXUS® products are a decisive reference in many areas of process instrumentation. The FLUXUS® commitment to customer service is characterized by comprehensive, virtually maintenance-free service over a huge turndown ratio. The technical advantages are obvious: no wear and tear by the medium flowing inside the pipe, no risk of liquid leakage or fugitive gas emissions, no pressure loss and, above all, unlimited plant availability.

The FLEXIM Commitment to Customer Service

FLUXUS® customers benefit not only from a wealth of measuring instruments, but also from professional personnel and network services. FLEXIM’s team of experts offers a wide range of technical support, laboratory analysis, project guiding, training, commissioning, maintenance and repair services. To ensure fast and reliable support and service possible. For this we set our standards in all that we are doing.

FLUXUS® is a regarded industry leader in the field of non-intrusive ultrasonic flow measurement technology. As a worldwide authority in this field, FLUXUS® offers solutions with the highest accuracy and reliability. FLUXUS® is a high-tech developer and manufacturer of pressure, flow, level and temperature measurement solutions. FLUXUS® products are manufactured using high-quality components and state-of-the-art technology. FLUXUS® products are a decisive reference in many areas of process instrumentation.

FLEXIM is an active player in many areas of process instrumentation. As a worldwide pioneer in the non-intrusive flow measurement of liquids and gases, FLUXUS® has been setting new standards by providing solutions with the highest accuracy and reliability. FLUXUS® is determined to developing innovative, reliable and efficient measuring instruments. In research and development, FLUXUS® constantly improves the functionality of its products. FLUXUS® products are manufactured using high-quality components and state-of-the-art technology. FLUXUS® products are a decisive reference in many areas of process instrumentation. The FLUXUS® commitment to customer service is characterized by comprehensive, virtually maintenance-free service over a huge turndown ratio. The technical advantages are obvious: no wear and tear by the medium flowing inside the pipe, no risk of liquid leakage or fugitive gas emissions, no pressure loss and, above all, unlimited plant availability.

Versatile and fundamentally flexible

FLUXUS® non-intrusive ultrasonic transit-time difference measurement method is suitable for determining the volume flow rate of liquids and gases. FLUXUS® products are characterized by a large range of ultrasonic transducers, measuring fluids and transmitter parameters. Already established in the different fields of process analysis using ultrasonic technology and refractometry. FLUXUS® is determined to developing innovative, reliable and efficient measuring instruments. In research and development, FLUXUS® constantly improves the functionality of its products. FLUXUS® products are manufactured using high-quality components and state-of-the-art technology. FLUXUS® products are a decisive reference in many areas of process instrumentation. The FLUXUS® commitment to customer service is characterized by comprehensive, virtually maintenance-free service over a huge turndown ratio. The technical advantages are obvious: no wear and tear by the medium flowing inside the pipe, no risk of liquid leakage or fugitive gas emissions, no pressure loss and, above all, unlimited plant availability.

Non-intrusive ultrasonic flow measurement with FLUXUS® and process analytics with PIOX®

The superior solution

FLEXIM® measures flow rates non-intrusively with ultrasonic. clamp-on transducers are simply mounted on the outside of the pipe. The practical advantages are obvious: no wear and tear by the medium flowing inside the pipe, no risk of liquid leakage or fugitive gas emissions, no pressure loss and, above all, unlimited plant availability.

Versatile and fundamentally flexible

FLEXIM® non-intrusive ultrasonic transit-time difference measurement method is suitable for determining the volume flow rate of liquids and gases. FLUXUS® products are characterized by a large range of ultrasonic transducers, measuring fluids and transmitter parameters. Already established in the different fields of process analysis using ultrasonic technology and refractometry. FLUXUS® is determined to developing innovative, reliable and efficient measuring instruments. In research and development, FLUXUS® constantly improves the functionality of its products. FLUXUS® products are manufactured using high-quality components and state-of-the-art technology. FLUXUS® products are a decisive reference in many areas of process instrumentation. The FLUXUS® commitment to customer service is characterized by comprehensive, virtually maintenance-free service over a huge turndown ratio. The technical advantages are obvious: no wear and tear by the medium flowing inside the pipe, no risk of liquid leakage or fugitive gas emissions, no pressure loss and, above all, unlimited plant availability.