AXAS NANO
Water Quality Monitoring

Leading the way in
Water Quality Monitoring

Parameters

Alkalinity | Chlorine Residual | Conductivity | Dissolved Oxygen | Dissolved Ozone | Fluoride | Hardness | Hydrogen Peroxide | Iron | Manganese | Nitrate | Nitrite | Phosphate | Potassium | Pressure | Pump Control | Sampling Control | Silica | Sodium | Temperature | Turbidity | Ultraviolet Absorbance

Chlorine Monitoring

Application Industries

Potable Water | Waste Water | Pharmaceutical | Food & Beverages | HVAC

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Q400/410 Chlorine Dioxide Transmitter

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Q400/410 Residual Chlorine Transmitter

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Q400/410 Free Chlorine Transmitter

Chlorine is effective disinfectant and widely used globally, which is being used in water treatment, food processing, pulp and paper, and many other industrial applications.

- Chlorine is a strong oxidant that can react with many other substances, including organic compounds, which can lead to the formation of disinfection by-products (DBPs) that may be harmful to human health.
- Stable monitoring and control of chlorine levels is crucial to ensure the effectiveness of the disinfection process and to minimize the formation of DBPs.
- Chlorine residual monitoring is important to ensure that there is enough chlorine present to maintain the disinfection process and to prevent the growth of pathogens in the water.

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Hi Rock Smart Sensors

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Chlorine Portable Chlorine Meter

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ACLO Analyzer

Chlorine Dioxide Monitoring

Application Industries

Potable Water | Waste Water | Pharmaceutical | Food & Beverages | HVAC

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Q400/410 Chlorine Dioxide Transmitter

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Q400/410 Chlorine Dioxide Transmitter

Chlorine Dioxide (ClO2) is a powerful oxidant and disinfectant that is used in water treatment, food processing, and other industrial applications.

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- Stable monitoring and control of chlorine dioxide levels is crucial to ensure the effectiveness of the disinfection process and to minimize the formation of disinfection by-products (DBPs) that may be harmful to human health.
- Chlorine dioxide is a strong oxidant that can react with many other substances, including organic compounds, which can lead to the formation of DBPs that may be harmful to human health.

Conductivity Monitoring

Application Industries

Potable Water | Waste Water | Pharmaceutical | Food & Beverages | HVAC

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Q400/410 Conductivity Monitor

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Q400/410 Conductivity Transmitter

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Q400/410 Conductivity Transmitter

Conductivity measurements are used to indicate the amount of dissolved ions present in a water sample. These measurements can be used for a variety of purposes, including:

- Low level conductivity measurements are used to monitor the purity of water in applications such as pharmaceuticals and electronics.
- This can be used to optimize a chemical treatment process, such as the addition of chlorine or other disinfectants, to ensure that the water is properly disinfected.
- Conductivity can also be used to monitor the concentration of pollutants in wastewater, such as heavy metals or other contaminants, to ensure that the wastewater is being properly treated before it is released into the environment.

Conductivity is an useful measure that can detect the concentration of dissolved ions, which can be used to monitor the quality of water in various applications, such as drinking water, wastewater treatment, and industrial processes.

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AXSCT-G Portable Conductivity Meter

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AXSCT Portable Conductivity Transmitter

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AXSCT-Blue Portable Conductivity Transmitter

Dissolved Ammonia Monitoring

Application Industries

Potable Water | Waste Water | Pharmaceutical | Food & Beverages | HVAC

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Q400/410 Dissolved Ammonia Monitor

Dissolved Ammonia is a colorless, toxic gas that is lighter than air and commonly used in various industrial processes.

- Dissolved ammonia can be used as a refrigerant in cooling systems, as a fertilizer in agriculture, and as a raw material in various chemical processes.
- When consumed orally, ammonia can cause severe burns to the mouth, throat, and gastrointestinal tract, and can lead to gastrointestinal bleeding and perforation.
- Dissolved ammonia can also be toxic to aquatic life and can lead to fish kills and other ecological impacts if it is released into the environment.
- Ammonia can also react with other substances, such as chlorine, to form toxic compounds, such as chloramines, which can be harmful to human health.

Dissolved Sulfide Monitoring

Application Industries

Potable Water | Waste Water | Pharmaceutical | Food & Beverages | HVAC

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Q400/410 Dissolved Sulfide Monitor

Dissolved Sulfide is a toxic gas that can be found in water and other liquids, and it can cause a variety of problems in various industrial applications.

- Dissolved sulfide can be corrosive to metals and other materials, and it can cause pitting and corrosion in pipes and other equipment.
- Dissolved sulfide can also be toxic to humans and aquatic life, and it can lead to fish kills and other ecological impacts if it is released into the environment.
- Dissolved sulfide can also react with other substances, such as chlorine, to form toxic compounds, such as chlorinated sulfides, which can be harmful to human health.

Dissolved Oxygen Monitoring

Application Industries

Potable Water | Waste Water | Pharmaceutical | Food & Beverages | HVAC

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Q400 Dissolved Oxygen Monitor

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Q400 Dissolved Oxygen Transmitter

Dissolved Oxygen is the amount of oxygen that is present in water or other liquids, and it is an important parameter to monitor in various industrial applications.

- Dissolved oxygen is important for the survival of aquatic life, as it is required for the respiration of fish and other aquatic organisms.
- Low dissolved oxygen levels can be a sign of pollution or other environmental problems, and it can lead to fish kills and other ecological impacts.
- In wastewater treatment, dissolved oxygen is used to monitor the biological activity of the microorganisms that are responsible for the breakdown of organic pollutants in wastewater.
- Dissolved oxygen is also important in various industrial processes, such as fermentation and chemical synthesis, where it is needed to ensure the proper reactions.

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Q400/410 Dissolved Ozone Monitor

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Q400/410 Dissolved Ozone Transmitter

Dissolved Ozone is a powerful oxidant and disinfectant that is used in various industrial applications, such as water treatment, food processing, and pulp and paper manufacturing.

- Dissolved ozone can be used to disinfect water and other liquids, and it can be effective against a wide range of pathogens, including bacteria, viruses, and fungi.
- Dissolved ozone can also be used to oxidize organic compounds, such as pesticides and pharmaceuticals, and it can be used to remove these compounds from water and other liquids.
- Dissolved ozone can be corrosive to metals and other materials, and it can cause pitting and corrosion in pipes and other equipment.
- Dissolved ozone can also react with other substances, such as chlorine, to form toxic compounds, such as chlorinated ozonides, which can be harmful to human health.

Filter Backwash solution

Application Industries

Potable Water | Waste Water | Pharmaceutical | Food & Beverages | HVAC

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FilterSearch Gravity Filter Backwash Monitor

Filter Backwash is a form of pressurized continuousness in that the filter needs to be cleaned.

- Filter backwash is a process that is used to remove accumulated solids and other contaminants from a filter.
- Gravity backwash is a type of filter backwash that uses the force of gravity to remove the accumulated solids and other contaminants from the filter.
- Gravity backwash is a simple and effective method for cleaning filters, and it is commonly used in various applications, such as water treatment and wastewater treatment.
- Gravity backwash is a process that is typically automatic, and it can be initiated by a timer or by a sensor that detects the presence of solids in the filter.
- Filter backwash is an important maintenance task that helps to ensure the proper functioning of the filter and to prevent the accumulation of solids and other contaminants that can cause problems in the filter and in the downstream equipment.

Fluoride Monitoring

Application Industries

Potable Water | Waste Water | Pharmaceutical | Food & Beverages | HVAC

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Q400 Fluoride Monitor

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Q400/410 Silicon Fluoride Monitor

Fluoride is used in the water and wastewater industry to prevent tooth decay and to promote the growth of healthy teeth and bones in the population.

- Fluoride is a toxic substance that can be harmful to humans and other organisms if it is ingested in large amounts.
- In wastewater treatment, fluoride is used to remove excess fluoride from the wastewater before it is released into the environment.
- Fluoride is also used in various industrial processes, such as the production of aluminum and steel, and it can be used as a flux in welding and soldering.

Hydrogen Peroxide Monitoring

Application Industries

Potable Water | Waste Water | Pharmaceutical | Food & Beverages | HVAC

Request Quote

Q400/410 Hydrogen Peroxide Monitor

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Q400/410 Hydrogen Peroxide Transmitter

Hydrogen Peroxide is a powerful oxidant and disinfectant that is used in various industrial applications, such as water treatment, food processing, and pulp and paper manufacturing.

- Hydrogen peroxide can be used to disinfect water and other liquids, and it can be effective against a wide range of pathogens, including bacteria, viruses, and fungi.
- Hydrogen peroxide can also be used to oxidize organic compounds, such as pesticides and pharmaceuticals, and it can be used to remove these compounds from water and other liquids.
- Hydrogen peroxide can be corrosive to metals and other materials, and it can cause pitting and corrosion in pipes and other equipment.
- Hydrogen peroxide can also react with other substances, such as chlorine, to form toxic compounds, such as chlorinated hydrogen peroxides, which can be harmful to human health.

Oxidation Reduction Potential (ORP)

Application Industries

Potable Water | Waste Water | Pharmaceutical | Food & Beverages | HVAC

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Q400PR Pro ORP Monitor

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Q400PR Pro ORP Transmitter

Oxidation Reduction Potential (ORP) is a measure of the ability of a chemical species to gain or lose electrons, and it is used in various industrial applications to monitor the oxidation-reduction reactions that are taking place in a system.

- A positive ORP value indicates that the system is oxidizing, meaning that it is gaining electrons and is capable of oxidizing other substances.
- A negative ORP value indicates that the system is reducing, meaning that it is losing electrons and is capable of reducing other substances.
- Monitoring the oxidation-reduction potential can be important in various industrial processes, such as water treatment and the production of certain goods.

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Q400PR Pro ORP Universal Sensor

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Q400PR Pro ORP Transmitter

It is possible and preferred the water treatment and food processing industries to use ORP to monitor the effectiveness of disinfection processes and to ensure the safety of the water or food being produced.

Permanganate Monitoring

Application Industries

Potable Water | Waste Water | Pharmaceutical | Food & Beverages

Request Quote

Q400 Permanganate Monitor

Permanganate (MnO4-) is a strong oxidant and is widely used in various industrial applications, such as water treatment and the production of certain chemicals.

- It can be used to control the growth of algae and other microorganisms in water treatment systems, and it can also be used to remove certain pollutants from water.
- Permanganate can be corrosive to metals and other materials, and it can cause pitting and corrosion in pipes and other equipment.
- Permanganate can also react with other substances, such as organic compounds, to form toxic compounds, such as chlorinated organic compounds, which can be harmful to human health.
- It is important to monitor permanganate levels in water treatment systems to ensure that the system is operating properly and that the water is safe to drink.
- Permanganate is a powerful oxidant and should be handled with care and in accordance with safety guidelines to avoid any potential hazards.

Peracetic Acid Monitoring

Application Industries

Potable Water | Waste Water | Pharmaceutical | Food & Beverages | HVAC

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Q400 Peracetic Acid Monitor

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Q400 Peracetic Acid Transmitter

Peracetic Acid (PAA) is a powerful oxidant and disinfectant that is used in various industrial applications, such as water treatment, food processing, and pulp and paper manufacturing.

- Peracetic acid can be used to disinfect water and other liquids, and it can be effective against a wide range of pathogens, including bacteria, viruses, and fungi.
- Peracetic acid can also be used to oxidize organic compounds, such as pesticides and pharmaceuticals, and it can be used to remove these compounds from water and other liquids.
- Peracetic acid can be corrosive to metals and other materials, and it can cause pitting and corrosion in pipes and other equipment.
- Peracetic acid can also react with other substances, such as chlorine, to form toxic compounds, such as chlorinated peracetic acids, which can be harmful to human health.

pH Monitoring

Application Industries

Potable Water | Waste Water | Pharmaceutical | Food & Beverages | HVAC

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Q400PR Pro ORP Monitor

Request Quote

pH is the value which is used to measure the acidity or alkalinity of a solution and is strong and weak acids and bases.

- It is important to monitor pH levels in various industrial processes, such as water treatment and food processing, to ensure that the process is operating properly and that the product is safe and meets quality standards.
- Deviations from the desired pH range can lead to problems such as corrosion, scaling, and the formation of undesirable by-products.
- It is important to use the appropriate pH sensor and to calibrate it regularly to ensure accurate readings.

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Q400PR Pro ORP Universal Sensor

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Q400PR Pro ORP Transmitter

- It is a sign or an indicator of the presence of pollution or other environmental problems, such as the presence of high levels of heavy metals or other toxic substances.
- It is important pH to be kept within a specific range in order to ensure the proper functioning of the system and to prevent any negative impacts on the environment or on the product being produced.

Residual Sulfite Monitoring

Application Industries

Potable Water | Waste Water | Pharmaceutical | Food & Beverages | HVAC

Request Quote

Q400/410 Residual Sulfite Monitor

Residual Sulfite is used as a reducing agent in various industrial processes, such as the production of paper and the treatment of wastewater.

- It is used as a dechlorinating agent in water treatment systems to remove excess chlorine from the water before it is released into the environment.
- It is also used as a preservative in various products, such as food and beverages, to prevent the growth of bacteria and other microorganisms.
- Residual sulfite can be corrosive to metals and other materials, and it can cause pitting and corrosion in pipes and other equipment.
- It can react with other substances, such as chlorine, to form toxic compounds, such as chlorinated sulfites, which can be harmful to human health.

Suspended Solids Monitoring

Application Industries

Potable Water | Waste Water | Pharmaceutical | Food & Beverages | HVAC

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Q400/410 Suspended Solids Monitor

Suspended Solids refer to small particles that remain in suspension in water. The measurement of suspended solids is important for several reasons:

- It can indicate the presence of pollution or other environmental problems, such as the presence of high levels of heavy metals or other toxic substances.
- It can be used as a tool to monitor the effectiveness of water treatment processes, such as filtration or sedimentation.
- It can be used as a tool to monitor the quality of wastewater before it is released into the environment.

Suspended solids can be measured using various methods, including gravimetric analysis, turbidity measurements, and optical methods. The choice of method depends on the specific application and the desired accuracy and precision of the measurement.

Request Quote

Q400/410 Turbidity Monitor

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Hach Solitax Sensor, Solitax Sensor

Turbidity is the measurement of the cloudiness or haziness of a fluid as a result of light scattered from suspended particles.

- It is a commonly used measurement in various industries, such as water treatment and food processing.
- It can be affected by factors such as the size and shape of the suspended particles, the color of the fluid, and the presence of other substances in the fluid.
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UV254 Monitoring

Application Industries

Potable Water | Waste Water | Pharmaceutical

Request Quote

Q400 UV Monitor

Q400UV is a low cost UV absorbance sensor that can be used to measure the organic content in water. It can be used in various applications, such as water treatment, food processing, and pulp and paper manufacturing. The sensor can be used to monitor the quality of water and to control the addition of chemicals or other substances to the water. It can also be used to monitor the effectiveness of water treatment processes and to ensure that the water is safe for human consumption or for use in other applications.

Other Monitoring

Application Industries

Potable Water | Waste Water | Pharmaceutical | Food & Beverages | HVAC

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Chlor-Mon Multi-Parameter Water Quality Monitoring

Key Features

- Free reagent
- Multi-parameter water quality sensor and platform for accurate chlorine and more
- Remote operation
- Easy to install, operate, and maintain
- Cloud-based data management for water quality and monitoring

Parameters

Free Chlorine | Total Chlorine | Chlorine Dioxide | Ozone | Chloramines | Chlorite | Chlorate | Bromate | Bromide | Iodide | Iodate | Iodine | Iodine Species | Cyanide | Cyanide Species | Sulfide | Sulfite | Sulfate | Sulfur Species | Nitrite | Nitrate | Ammonia | Urea | Phosphate | Silicate | Silica | Fluoride | Chloride | Hardness | Alkalinity | Conductivity | Turbidity | Temperature | Pressure | Flow | Pump Control | Sampling Control

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SiteMon Portable Monitoring Solution

Key Benefits

- Fully Independent, Portable, Smart Monitoring Control Switching System
- Remote Monitoring Capability Via Mobile Phone, Tablet, Laptop, Desktop
- Fully Independent Power Supply Via Solar Panel & Battery Pack
- Can Use Mobile Phone Network Or Ethernet Cable For Data Transmission

Parameters

Free Chlorine | Total Chlorine | Chlorine Dioxide | Ozone | Chloramines | Chlorite | Chlorate | Bromate | Bromide | Iodide | Iodate | Iodine | Iodine Species | Cyanide | Cyanide Species | Sulfide | Sulfite | Sulfate | Sulfur Species | Nitrite | Nitrate | Ammonia | Urea | Phosphate | Silicate | Silica | Fluoride | Chloride | Hardness | Alkalinity | Conductivity | Turbidity | Temperature | Pressure | Flow | Pump Control | Sampling Control

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SiteMon Portable Monitoring Solution

Key Benefits

- Remote control and monitoring of water treatment and dosing operations
- Real-time data collection and analysis for improved water quality management
- Easy installation and setup, with pre-configured sensors and remote access capabilities
- Customizable alerts and notifications for prompt response to water quality issues
- Continuous monitoring for up to 30 days

Parameters

Free Chlorine | Total Chlorine | Chlorine Dioxide | Ozone | Chloramines | Chlorite | Chlorate | Bromate | Bromide | Iodide | Iodate | Iodine | Iodine Species | Cyanide | Cyanide Species | Sulfide | Sulfite | Sulfate | Sulfur Species | Nitrite | Nitrate | Ammonia | Urea | Phosphate | Silicate | Silica | Fluoride | Chloride | Hardness | Alkalinity | Conductivity | Turbidity | Temperature | Pressure | Flow | Pump Control | Sampling Control

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