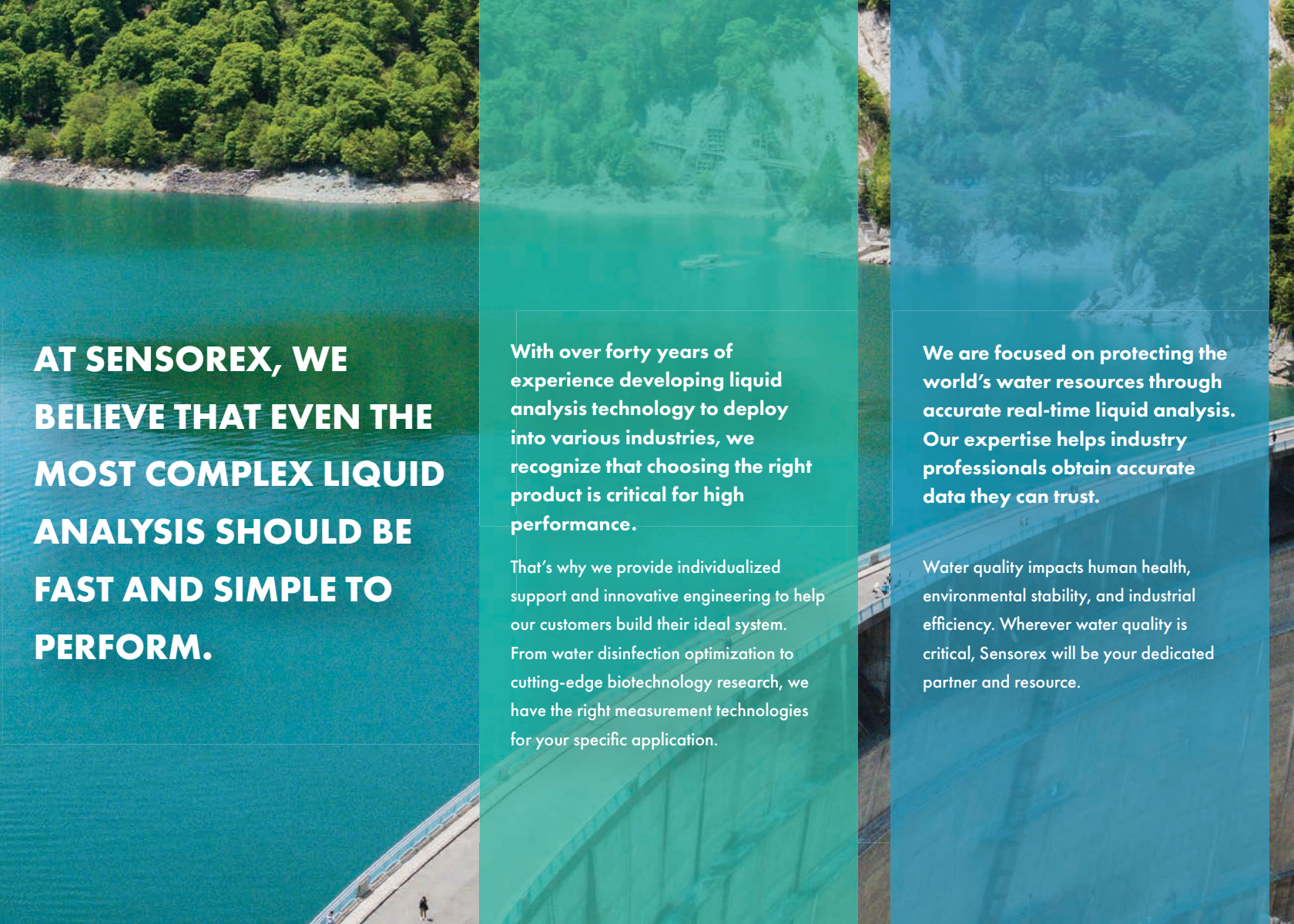

Sensorex®

INNOVATIVE SOLUTIONS
TO SIMPLIFY LIQUID ANALYSIS



AT SENSOREX, WE BELIEVE THAT EVEN THE MOST COMPLEX LIQUID ANALYSIS SHOULD BE FAST AND SIMPLE TO PERFORM.

With over forty years of experience developing liquid analysis technology to deploy into various industries, we recognize that choosing the right product is critical for high performance.

That's why we provide individualized support and innovative engineering to help our customers build their ideal system. From water disinfection optimization to cutting-edge biotechnology research, we have the right measurement technologies for your specific application.

We are focused on protecting the world's water resources through accurate real-time liquid analysis. Our expertise helps industry professionals obtain accurate data they can trust.

Water quality impacts human health, environmental stability, and industrial efficiency. Wherever water quality is critical, Sensorex will be your dedicated partner and resource.

SENSOREX IS TRUSTED BY HUNDREDS OF THE WORLD'S LEADING WATER TREATMENT SUPPLIERS.

CUSTOM ENGINEERING

Our experienced team of engineers, chemists, and application experts can design sensors and systems to meet your requirements.

RAPID DELIVERY

We continue to exceed expectations with lightning-fast delivery. Contact us to find out how Sensorex can help you meet your inventory and delivery goals.

SENSOR PERFORMANCE

From rapid response time to excellent calibration stability, our reliable sensor technologies excel in a wide variety of process monitoring and control applications.

CONSISTENT QUALITY

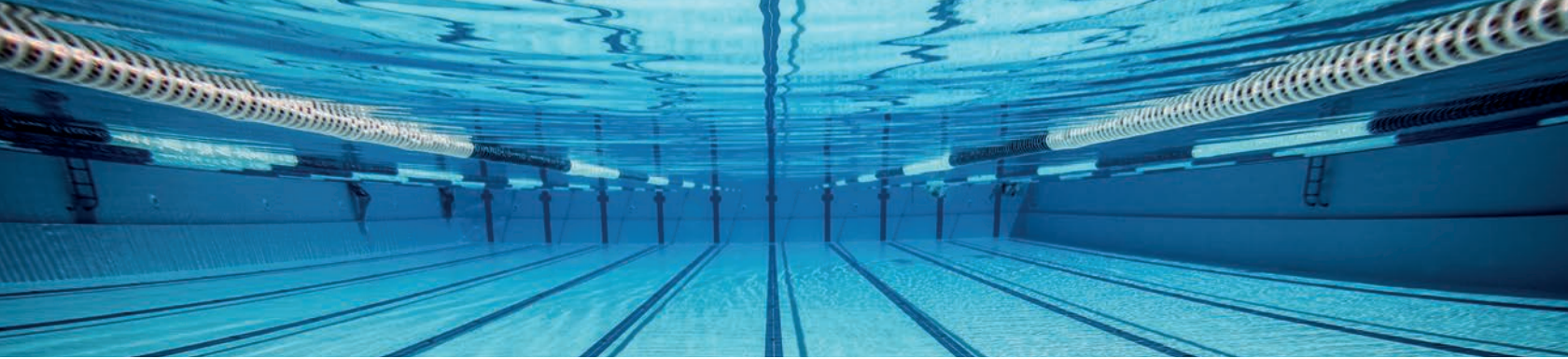
Measurement technologies aren't our only innovations. We've developed automated manufacturing processes to deliver products that consistently meet specifications.

SENSORS ARE THE HEART OF EVERY SYSTEM.

Our OEM partners trust us to provide the sensor technologies for their systems, which better the lives of people, optimize processes, and protect the environment.

We're proud to deliver sensors to market leaders building the most innovative water quality systems. We work passionately, designing real-time liquid analysis tools that perform reliably and measure accurately. Ready to take your project to the next level?

We're up for the challenge.



GENERAL USE pH/ORP SENSORS

WHAT'S YOUR APPLICATION?

From swimming pool monitoring to laboratory research, Sensorex provides a range of electrodes designed to meet different application needs. Available with durable polycarbonate and Ultem® bodies or chemically inert glass bodies.

MEASURING MORE THAN WATER

Our spear tip pH sensors are great for measuring soil, meats, cheeses, and other semi-solids. For samples like agar plates or sludges and slurries, try our flat surface pH electrodes.

RESEARCH-GRADE PERFORMANCE

Our research-grade pH and ORP sensors are specially designed to respond accurately to rapid temperature changes. These probes are also a great choice for low ionic samples.

INDUSTRIAL pH/ORP SENSORS

RELIABLE PROCESS MONITORING

Our industrial sensors require minimal maintenance with their flat, self-cleaning measurement surfaces. Built with durable and chemically resistant Ryton®, these sensors are easy to install in in-line or submersion configurations.

ALWAYS REPLACING PROBES?

Our modular, quick disconnect sensor packages are great for heavy duty industrial applications. Quickly and easily replace sensor cartridges and reuse the cable assembly for a low cost of ownership.

EXTENDED SENSOR LIFETIME

Differential pH and ORP sensors resist reference fouling even in heavily contaminated wastewater. Replaceable salt bridges and refillable reference solution ensure that these sensors can be maintained and not replaced.

CONDUCTIVITY SENSORS

GENERAL USE SENSORS

Durable epoxy body sensors for reliable conductivity measurements in a range of applications. Customizable temperature compensation and connector options for compatibility with many different meters and transmitters.

TOROIDAL SENSORS

Toroidal sensors use inductive technology, which allows resistance to coating, fouling, corrosion, and environmental disruption. Great for plating baths and other chemically aggressive or high-conductivity solutions.

INDUSTRIAL SENSORS

GENERAL PURPOSE

Heavy-duty contacting conductivity sensors for in-line installation. A quick disconnect feature makes installing and replacing sensors easy - no tools required. Great for cooling tower applications and ultrapure industrial water.

BOILER APPLICATIONS

Perfect for use in boiler applications and other high-temperature environments, our stainless-steel conductivity sensors endure temperatures up to 252° C and pressures up to 600 PSIG.

HIGH PERFORMANCE

The CS700 Conductivity Sensor is ideally suited for ultrapure/pure water, drinking water, and lower-conductivity drinking water applications. It's durable in high-temperature (150° C / 302° F) and high-pressure environments (1,379 kpa / 200 psig), thanks to stainless steel and teflon construction. In addition, quick installation is made possible via using compression fitting with 3/4" or 1/2" threads.

Pick from three cell constants based on your application:

- 0.01
- 0.1
- 1.0

pH S272 | pH S8000 | Contacting CS8000TC | Toroidal TCS3020 | Dissolved Oxygen DO6400

SMART SENSORS

MORE VISIBILITY

Smart sensors are equipped with digital communication capabilities. Multiple process variables, in addition to the main measurement, are provided. These variables include temperature, baud rate, etc.

SIMPLE INSTALLATION

Smart sensors feature a contoured body for improved grip and a threaded connection. No tools are required, and cabling is simple, with no home-run wiring needed.

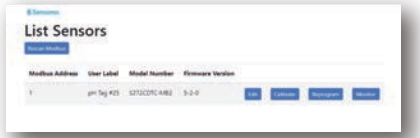
NO TRANSMITTERS NEEDED

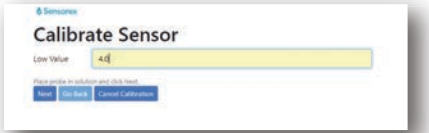
No transmitters are required in loop for smart sensors. This means reduced installation costs, less wiring, and fewer points of failures.

SMART SENSORS

QUICK CONFIGURATION

Installation, configuration, and maintenance is made easy with web-based software. Users can read all available variables, calibrate sensors quickly, scan instruments, and more on a PC.





PERKS OF THE DIGITAL PLATFORM

With a digital platform, you can use new features without having to purchase a brand new sensor. Feature enhancements are provided with updates, further improving usability and reliability.

FEATURE ENHANCEMENTS

TRANSMITTERS AND CONTROLLERS

Use data from any of our sensors to program process control. Our complete line of 4-20mA pH, ORP, and conductivity transmitters and controllers can be integrated into a variety of systems.

pH/ORP TRANSMITTERS AND CONTROLLERS

CONDUCTIVITY TRANSMITTERS AND CONTROLLERS

TOROIDAL CONDUCTIVITY TRANSMITTERS

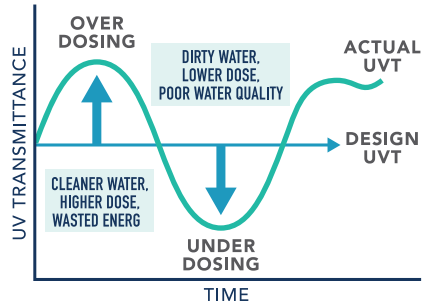
UVT-LED™

WHY MONITOR UV-TRANSMITTANCE?

UV-Transmittance (UVT) refers to the percentage of light at the wavelength of 254 nm that passes through a sample of water. UVT measurements provide valuable information about the natural organic matter in a water sample. Data characterizing the organic content of sample water can be used to control and optimize water and wastewater treatment processes. In a typical UV disinfection system, UVT measurements can be used to optimize energy efficiency and ensure adequate dosing.

HIGH-PERFORMANCE UV-C LED TECHNOLOGY

Instant LED illumination offers many advantages over mercury lamps, including more stable readings and a much longer lifetime.



UV DISINFECTION

UVT monitoring allows adjustment of UV disinfection dosing above and below the system's typical value (design UVT).

SMARTER UV-TRANSMITTANCE MONITORING

THREE WAYS TO MONITOR UV-TRANSMITTANCE

HANDHELD

A portable option for obtaining UVT measurements - up to 350 readings on a single battery charge. Useful for verifying proper operation of online UVT monitors or site assessment to specify UV system requirements.

INLINE

Seamlessly protect downstream processes from changes in organic content of water and ensure proper UV disinfection through accurate, continuous UVT monitoring. Small footprint design with direct 4-20mA output integrates easily into a variety of systems.

SUBMERSIBLE

Easily mounts to the wall of an open channel for wastewater treatment monitoring. Our patented automatic cleaning and calibration mechanism ensures accurate readings with minimal maintenance.

AUTOMATIC CLEANING AND CALIBRATION

Our patented wiper technology delivers a swift cleaning cycle and automatic calibration to a quartz reference standard.

FREE CHLORINE AND CHLORINE DIOXIDE

PREVENT CONTAMINATION

Free chlorine is an important disinfection agent for drinking water and water used for produce and equipment sanitation. Our amperometric free chlorine sensors allow reagent-free monitoring of free chlorine content in water.

GUARANTEE SAFETY

Some disinfection processes - including sterilization of pharmaceutical packaging - utilize chlorine dioxide. Our amperometric chlorine dioxide sensors output a 4-20mA signal, allowing integration into various control systems.

DISSOLVED OXYGEN

SUSTAIN LIFE: GALVANIC DISSOLVED OXYGEN SENSOR

Our rapid-response D.O. sensors allow users to measure and maintain dissolved oxygen to ensure the survival of aquatic life, including fish-farming crops and microorganisms involved in wastewater treatment. Integration and ongoing maintenance are simple with direct 4-20mA output, single-point air calibration, and a large electrolyte reservoir.

SENSOR MAINTENANCE

We support our entire sensor offering with a range of accessories, including calibration and maintenance kits, mounting hardware, and process meters. With little to no lead times, we quickly provide the tools needed to maintain equipment and optimize processes.

DISSOLVED OXYGEN

LUMIN-S ODO

The Lumin-S Optical Dissolved Oxygen sensor delivers reliable DO measurements over a long operating life with no drift and minimum flow.

There are no membranes to replace, no electrolyte solutions to replenish, and no anodes to clean.

Maintaining the sensor is as easy as replacing the optical sensing cap once every one to two years, and since all calibration data is stored on the cap, there's no need to calibrate. This dissolved oxygen sensor outputs a Modbus/RS-485 digital signal for easy PLC integration.

AVAILABLE IN BOTH TITANIUM OR STAINLESS-STEEL BODIES!

Innovative Solutions to Simplify Liquid Analysis

Halma

safer • cleaner • healthier

DESIGNED IN CALIFORNIA
ASSEMBLED IN CALIFORNIA AND CZECH REPUBLIC

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