EXO Sondes

BEST-IN-CLASS PLATFORM FOR THE HIGHEST-QUALITY DATA
When only the best will do.
EXO is the premium water quality monitoring platform in the world.

The unmatched benefits of EXO include:

- **Highest Data Quality**
  Onboard monitoring systems verify sensor operation

- **Industry-leading Anti-fouling**
  Best-in-class anti-fouling wiper technology

- **Smart QC™**
  SmartQC checks for errors and ensures proper calibrations

- **Titanium Components**
  The toughest grade parts guarantee operation well into the future

- **Digital Smart Sensors**
  Auto-recognition of any sensor in any port

EXO2s EXO3 EXO1 EXO2

**A Smart, Field-Ready Water Monitoring Platform**
Best-In-Class Sonde Platform

Cable connector, battery valve, and expansion port on EXO2

Smart ports accept any sensor, or central port may be used for anti-fouling wiper

Anti-fouling wiper cleans sensor faces, minimizing maintenance and maximizing length of deployment

Sonde Specifications

EXO1 EXO2 EXO2* EXO3

<table>
<thead>
<tr>
<th>Smart Ports</th>
<th>4</th>
<th>7</th>
<th>7</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Type</td>
<td>2 D-cell</td>
<td>4 D-cell</td>
<td>External Power</td>
<td>2 D-cell</td>
</tr>
<tr>
<td>Battery Life</td>
<td>90 days*</td>
<td>90 days*</td>
<td>N/A</td>
<td>60 days*</td>
</tr>
<tr>
<td>Dimensions</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length: 64.77 cm</td>
<td>Length: 71.10 cm</td>
<td>Length: 47.00 cm</td>
<td>Length: 58.67 cm</td>
<td></td>
</tr>
<tr>
<td>Diameter: 4.70 cm</td>
<td>Diameter: 7.62 cm</td>
<td>Diameter: 7.62 cm</td>
<td>Diameter: 7.62 cm</td>
<td></td>
</tr>
<tr>
<td>Weight (fully loaded)</td>
<td>1.42 kg</td>
<td>3.60 kg</td>
<td>1.10 kg</td>
<td>2.00 kg</td>
</tr>
<tr>
<td>SDI-12</td>
<td>with Adapter</td>
<td>with Adapter</td>
<td>with Adapter</td>
<td>Integral</td>
</tr>
<tr>
<td>Vented Level</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Wiper</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Auxiliary Port</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

*Battery life will depend on the type of sensors and measurement frequency. Specifications indicate typical performance and are subject to change. Please check EXOwater.com for up-to-date information.

EXO Sondes are perfect for long-term deployments. Daisy-chain multiple sondes for measurements at various depths.
Monitoring Made Mobile

**EXO GO**

EXO GO uses Bluetooth to connect any Windows OS device to a submerged EXO Sonde.

Pair with a tablet or laptop and leverage the full power of KorEXO Software for your monitoring applications.

Choose EXO GO for the flexibility of monitoring with any Windows OS device and access to the full features of KorEXO Software. EXO GO cuts out the middleman and delivers data directly to your PC!

**KorEXO Software**

Bring the full power of KorEXO to your site with any Windows OS portable device

**Bluetooth Communication**

Keep your sonde in the water while you view data in real time, download files, or adjust deployment settings on the GO

**GPS Tagging**

Georeference data sets using GPS

---

**EXO Handheld**

The EXO Handheld offers a dedicated, streamlined interface to EXO Sondes.

Convenient monitoring is achieved with a backlit color display, ergonomic design, and simple operation.

Choose the EXO Handheld for an easy-to-use, purpose-built interface with a tactile keypad and full color display. Keep it simple and collect data in the most challenging environments with the EXO Handheld!

**Simplified Interface**

Lower the learning curve of collecting high-quality data with a simplified user interface and integrated help screens

**Transfer Data**

Quickly transfer collected data sets and calibration records to a USB flash drive with the push of a button

**Lithium-Ion Battery**

Collect more samples with the long-lasting, rechargeable battery

---

### Common Features

<table>
<thead>
<tr>
<th>EXO GO</th>
<th>EXO Handheld</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB Connectivity</td>
<td>✓</td>
</tr>
<tr>
<td>Bluetooth Connectivity</td>
<td>✓</td>
</tr>
<tr>
<td>IP-67 Rating</td>
<td>✓</td>
</tr>
<tr>
<td>Display</td>
<td>✓</td>
</tr>
<tr>
<td>Onboard Memory</td>
<td>✓</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-5 to 50°C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>0 to 45°C</td>
</tr>
<tr>
<td>Dimensions</td>
<td>17.4 x 5.2 x 3.5 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>240 g</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

### GPS

- Accuracy: 2.5 m CEP (dependent on site conditions)

### Barometer

- Range: 375 to 825 mmHg
- Accuracy: +/-1.5 mmHg
- Resolution 0.1 mmHg

### Battery

- Operating Time: >15 hours
- Charging Time: 9 hours

---
**Smart Sensor Suite**

A dynamic range of sensors for multiparameter applications

---

**Sensor Specifications**

<table>
<thead>
<tr>
<th>Sensor</th>
<th>Range</th>
<th>Resolution 1</th>
<th>Accuracy 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductivity (Non-Wiped)</td>
<td>0 to 200 mS/cm</td>
<td>±0.5% of reading or 0.001 mS/cm</td>
<td>±1% of reading (100-200 mS/cm)</td>
</tr>
<tr>
<td>Temperature</td>
<td>±0.01°C (5 to 35°C)</td>
<td>±0.005°C (5 to 35°C)</td>
<td></td>
</tr>
<tr>
<td>Conductivity (Wiped)</td>
<td>0 to 100 mS/cm</td>
<td>±1% of reading or 2 µS/cm, w.i.g.</td>
<td></td>
</tr>
<tr>
<td>Temperature</td>
<td>±0.01°C</td>
<td>±0.2°C</td>
<td></td>
</tr>
<tr>
<td>Depth</td>
<td>0 to 10, 100 or 250 m</td>
<td>±0.04% Full Scale</td>
<td></td>
</tr>
<tr>
<td>Vented Level</td>
<td>0 to 10 m</td>
<td>±0.03% Full Scale</td>
<td></td>
</tr>
<tr>
<td>Dissolved Oxygen</td>
<td>0 to 100 mS/cm</td>
<td>±1% of reading or 1% sat., w.i.g., (0 to 200%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0 to 50 mg/L</td>
<td>±5% of reading (20 to 50%)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.01 mg/L</td>
<td>±5% of reading (20 to 50 mg/L)</td>
<td></td>
</tr>
<tr>
<td>IDOM</td>
<td>0 to 300 ppb QSE</td>
<td>±0.01 ppb QSE</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>0.14 pH units</td>
<td>±0.1 within ±10°C of cal temp</td>
<td></td>
</tr>
<tr>
<td>ORP</td>
<td>999 to 999 mV</td>
<td>±20 mV</td>
<td></td>
</tr>
<tr>
<td>TAL-Chlorophyll</td>
<td>0 to 100 RFU or 0 to 400 µg/L chl</td>
<td>Linearity: r² ≥ 0.999 for Rhodamine WT across full range</td>
<td></td>
</tr>
<tr>
<td>TAL-Phycocyanin</td>
<td>0 to 100 RFU or 0 to 280 µg/L PE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TAL-Phycocerythrin</td>
<td>0 to 100 µg/L</td>
<td>Linearity: r² ≥ 0.999 for Rhodamine WT across full range</td>
<td></td>
</tr>
<tr>
<td>Turbidity</td>
<td>0 to 4000 FNU</td>
<td>±3% of reading, (0 to 999 FNU)</td>
<td></td>
</tr>
</tbody>
</table>

---

**EXO Smart Sensor Anatomy**

EXO sondes feature universal smart ports for sensor installation

---

**Calculated Parameters**

The following parameters are calculated from one or more sensors listed above. More information about the methods and calculations may be found in the EXO User Manual.

- Absolute Pressure
- Ammonia
- DO% Local
- DO% LocalB
- Gauge Pressure
- nLF Conductivity
- Resistivity
- Salinity
- Specific Conductivity
- Total Algae cells/mL
- Total Dissolved Solids
- Total Suspended Solids
- Vertical Position
- Water Density

---

1 Range dependent.

2 Specifications indicate typical performance and are subject to change. Please check EXOwater.com for up-to-date information.
KorEXO Software

KorEXO is an accessible, feature-rich software platform for managing EXO instrumentation and water quality data. The software allows you to calibrate sensors, setup long-term deployments, and ensure equipment is operating at peak performance. Designed to run on Windows OS computers and tablets, the interface is optimized for touchscreens and streamlined for operation in the field, lab, or office.

Support and Protection for Your Peace of Mind

Protect your investment with the EXO Factory Service Plan*

With an EXO Factory Service Plan, you can minimize down-time and unexpected maintenance costs by keeping your equipment in top working order.

What does the Service Plan include?

Plans cover standard replacement parts, firmware updates, seal restoration, cleaning, comprehensive evaluation, testing, and calibration of all sensors.

What equipment is covered?

Each plan covers a single EXO sonde, field cable, handheld, and sensors purchased with the sonde.

How long does coverage last?

Plans are available for coverage up to 3 years from the time the EXO Sonde is purchased.

*Currently available in North America. Check with your regional technical support for service options.

Industry-Leading Technical Support

Our expert Technical Support Team is available to provide assistance and answer any questions that may come up in the field or lab.

Call +1 (937) 767-2762 to speak with our knowledgeable staff

Email info@ysi.com for questions regarding your EXO equipment

Live Chat at YSI.com for immediate response from technical experts

Factory Service Center located in Yellow Springs, Ohio

Technicians are available for in-house or on-site training events
We’re a global team unified in a common purpose: creating advanced technology solutions to the world’s water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xyleminc.com.