



Aqua TROLL 500

Quick Start Guide



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1. Documentation
2. Aqua TROLL 500 sonde
3. Maintenance kit
4. Instrument tools
5. Sensor
6. pH/ORP or ISE sensor maintenance supplies
7. RDO cap

Getting Started

1 Prepare pH and ISE sensors.



Remove tape and cap from sensor.



Replace the sensor fill solution (see instructions in the manual). Make sure there are no bubbles.



Condition ISE sensors by soaking for 2-24 hours in calibration solution (not necessary for pH).



Always calibrate pH and ISE sensors prior to deployment.

2 Install the RDO Cap (RDO sensor only).



Remove the dust cover from the RDO sensor.



Install the RDO cap on the sensor.

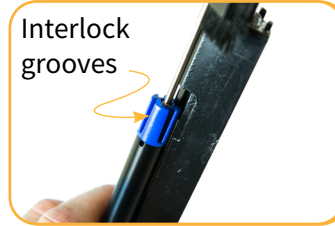
3 Install sensors in instrument.



Secure the wiper into the middle port.



Apply a pea-sized drop of lubricant to sensor O-rings.

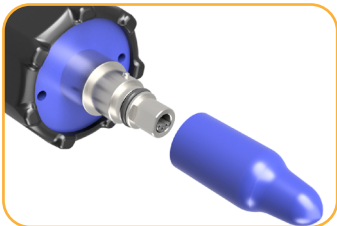


Interlock grooves
Insert sensor in empty sensor port. Sensor tongue must slide into blue motor interlock groove.

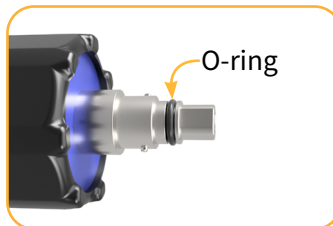


Tighten screw at base of sensor with hex wrench. Do not overtighten.

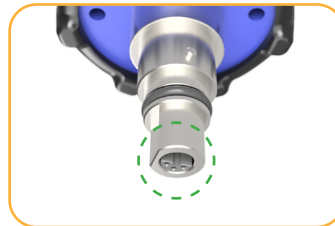
4 Connect Cable and Communication Device.



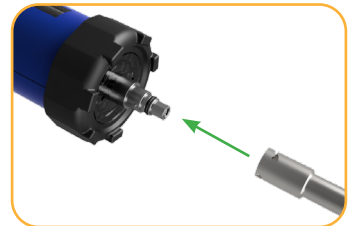
Remove protective caps from instrument and cable.



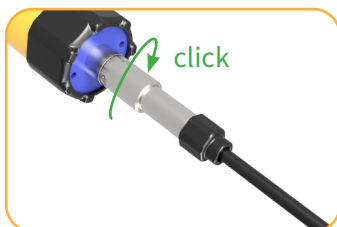
Ensure O-ring on instrument connector is clean. Apply vacuum grease to the O-ring.



Flat edge inside cable end must align with flat edge on instrument connector.



Slide connector into the cable end.



Twist and push the sleeve until you hear a click.



If desiccant is present, remove it from cable.

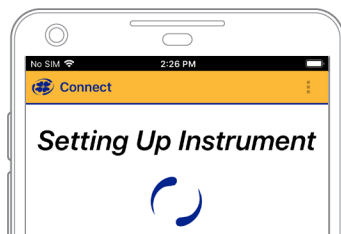


Align TROLL Com connector with cable end. Push and twist until you hear a click.

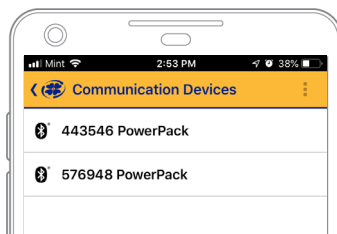
5 Connect to the software.



You must have the VuSitu mobile app to use the instrument with a mobile device. Download VuSitu from the Google Play Store or the Apple App Store.



VuSitu automatically connects to the closest In-Situ instrument.



To connect to another instrument, press **Disconnect**. VuSitu displays a list of available connections.



VuSitu's on-screen instructions will guide you through instrument calibration, logging, live readings, and data sharing.

6 Prepare Instrument for Deployment.



Replace restrictor with vent holes at base of instrument for calibration.



(Optional) Calibrate sensors. Calibration procedures may be found in user manual.



After calibration, flip the restrictor 180 degrees for deployment.



Install the end cap on the restrictor for deployment.

7 Learn more.

Get complete instructions about calibration, spot checking, and working with data in the product manual. Download it from www.in-situ.com.

Hereby, In-Situ, Inc. declares the the radio equipment type Aqua TROLL 500 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.in-situ.com

Safety



Read the safety information on this page before deploying or configuring your Aqua TROLL 500. If you have questions, contact In-Situ Technical Support for assistance.

- Do not use the Aqua TROLL 500 in any manner not specified by the manufacturer.
- Do not submerge the Wireless TROLL Com or your mobile device in liquid.
- Do not submerge the Twist-Lock connector ends of the cable or instrument when they are not connected.
- Ensure that sensors, or sensor plugs, are completely inserted into the ports, so that no liquid can enter the instrument.
- Ensure that the RDO Sensor Cap is pressed firmly over the sensor lens and is flush with the instrument before submerging in liquid.
- Replace the cable if insulation or connectors are damaged.
- Make sure the probe and sensor O-rings are clean and free of damage.

Intended Use

The Aqua TROLL® 500 Multiparameter Sonde is designed to be safe:

- during indoor or outdoor use;
- at altitudes above or below 2000m;
- in ambient temperatures from -5 to 50C;
- in any relative humidity levels;



If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

Seguridad



Lea la información de seguridad de esta página antes de utilizar o configurar su Aqua TROLL 500. Si tiene preguntas, póngase en contacto con el servicio técnico de In-Situ para obtener ayuda.

- No utilice el Aqua TROLL 500 de ninguna forma no especificada por el fabricante.
- No sumerja los extremos del conector Twist-Lock del cable o del instrumento cuando no estén conectados.
- No sumerja el TROLL Com inalámbrico ni su dispositivo móvil en líquido.
- Asegúrese de que los sensores o los tapones de los sensores estén completamente insertados en todos los puertos para que no pueda entrar líquido en el instrumento.
- Asegúrese de que el tapón del sensor RDO está presionado firmemente sobre la lente del sensor y se encuentra a ras del instrumento antes de sumergirlo en líquido.
- Sustituya el cable si el aislante o los conectores se encuentran dañados.
- Asegúrese de que las juntas tóricas de la sonda y del sensor se encuentran limpias y sin daños.

Uso previsto

La sonda multiparamétrica Aqua TROLL® 500 está diseñada para ser segura:

- en interiores y exteriores
- a temperaturas ambiente de -5 a 50° C
- hasta 2000 m de altitud/profundidad
- en cualquier nivel de humedad relativa



Si el equipo se utiliza de una manera no especificada por el fabricante, la protección proporcionada por el equipo puede verse afectada.

安全



在部署或配置 Aqua TROLL 500 之前，请阅读本页的安全信息。如果您有任何疑问，请联系 In-Situ 技术支持寻求帮助。

- 请勿以制造商未指定的任何方式使用 Aqua TROLL 500。
- 电缆或仪器未连接时，请勿将其 Twist-Lock 连接器端浸入液体中。
- 请勿将 Wireless TROLL Com 或您的移动设备浸入液体中。
- 确保传感器或传感器插头完全插入所有端口，以免液体进入仪器。
- 确保 RDO 传感器盖牢固地压在传感器镜头上，并在浸入液体之前与仪器齐平。
- 如果绝缘层或连接器损坏，请更换电缆。
- 确保探头和传感器 O 形圈清洁且没有损坏。

预期用途

Aqua TROLL® 500 多参数探测器的设计是为了安全：

- 在室内或室外使用时
- 在 -5 至 50° C 的环境温度下
- 高于或低于 2000 米
- 在任何相对湿度水平。



如果以制造商未指定的方式使用设备，设备提供的保护可能会受损。

Keselamatan



Baca informasi keselamatan di halaman ini sebelum memasang atau mengonfigurasi Aqua TROLL 500 Anda. Jika ada pertanyaan, hubungi Dukungan Teknis In-Situ untuk mendapatkan bantuan.

- Jangan gunakan Aqua TROLL 500 dengan cara apa pun yang tidak ditentukan oleh pabrikan.
- Jangan rendam instrumen atau ujung kabel konektor Twist-Lock saat tidak tersambung.
- Jangan rendam Wireless TROLL Com atau perangkat seluler Anda dalam cairan.
- Pastikan sensor atau colokan sensor benar-benar dimasukkan ke semua port agar tidak ada cairan yang dapat masuk ke instrumen.
- Pastikan Tutup Sensor RDO ditekan dengan kuat di atas lensa sensor dan rata dengan instrumen sebelum direndam dalam cairan.
- Ganti kabel jika insulasi atau konektor rusak.
- Pastikan O-ring sensor dan probe bersih dan tidak rusak.

Penggunaan yang Dimaksudkan

Aqua TROLL® 500 Multiparameter Sonde dirancang agar aman:

- saat digunakan di dalam maupun di luar ruangan
- dalam suhu sekitar dari -5 hingga 50 °C
- di atas atau di bawah 2000 m
- dalam semua tingkat kelembapan relatif.



Jika peralatan digunakan dengan cara yang tidak ditentukan oleh pabrikan, perlindungan yang diberikan oleh peralatan dapat terganggu.

Sécurité



Consultez les informations de sécurité sur cette page avant de déployer ou de configurer votre Aqua TROLL 500. En cas de questions, veuillez contacter le support technique In-Situ pour toute assistance.

- Ne jamais utiliser l'Aqua TROLL 500 autrement que de la manière spécifiée par le fabricant.
- Veillez à ne pas immerger les extrémités des connecteurs Twist-Lock du câble ou de l'instrument lorsqu'ils ne sont pas connectés.
- Veillez à ne pas immerger le Wireless TROLL Com ou votre appareil mobile dans un liquide.
- Veillez à ce que les capteurs ou les bouchons de capteurs soient complètement insérés dans tous les ports afin qu'aucun liquide ne pénètre dans l'instrument.
- S'assurer que le capuchon du capteur RDO est fermement placé sur la lentille du capteur et qu'il affleure l'instrument avant de l'immerger dans le liquide.
- Remplacez le câble si l'isolation ou les connecteurs sont endommagés.
- Assurez-vous que les joints toriques de la sonde et du capteur sont propres et ne présentent aucun dommage.

Utilisation conforme

La sonde multiparamètre Aqua TROLL® 500 est conçue pour être fiable :

- lors d'une utilisation à l'intérieur ou à l'extérieur
- à des températures ambiantes de -5 à 50° C
- au-dessus ou en deçà de 2000 m
- à tout niveau d'humidité relative.



Si l'équipement est utilisé d'une manière non spécifiée par le fabricant, la protection fournie par l'équipement peut être compromise.

안전



Aqua TROLL 500을 배포하거나 구성하기 전에 이 페이지의 안전 정보를 읽으십시오. 질문이 있는 경우 In-Situ 기술 지원에 문의하여 도움을 받으십시오.

- 제조업체에서 지정하지 않은 방식으로 Aqua TROLL 700을 사용하지 마십시오.
- 케이블 또는 기기의 Twist-Lock 커넥터 끝이 연결되어 있지 않은 상태에서 액체에 담그지 마십시오.
- 무선 TROLL Com 또는 모바일 장치를 액체에 담그지 마십시오.
- 센서 또는 센서 플러그가 모든 포트에 완전히 삽입되어 액체가 기기에 들어가지 않도록 하십시오.
- 액체에 담그기 전에 RDO 센서 캡이 센서 렌즈 위에 단단히 눌러 있고 기기와 같은 높이인지 확인하십시오.
- 절연체 또는 커넥터가 손상된 경우 케이블을 교체하십시오.
- 프로브와 센서 O-링이 깨끗하고 손상되지 않았는지 확인하십시오.

사용 목적

아쿠아 트롤® 700 멀티파라미터 зонде는 다음과 같이 안전하게 설계되었습니다.

- 실내 또는 실외 사용시
- -5 부터 50° C 주위 온도에서
- 2000m 이상 또는 이하
- 모든 상대 습도 수준에서.



제조업체에서 지정하지 않은 방식으로 장비를 사용하면 장비에서 제공하는 보호 기능이 손상 될 수 있습니다.