

GENERAL FAQs ABOUT YSI 6-SERIES INSTRUMENTS

How do I store my YSI sonde at the end of the season?

If you are storing a YSI 6600, 6920, 6600 or 600XLM, one of the most important things you need to do is to remove the batteries. Batteries left in the unit can leak acid after they discharge. This can be costly to repair.

O-rings should be cleaned and greased with silicone lubricant. Do not use petroleum-based lubricants. Follow the instructions outlined in the YSI 6-Series Sonde Operations Manual, or the YSI Technical Note, General Probe O-Ring Care.

The end of the season is also a good time to check the software revision of your unit and update it if necessary. The latest revision software can be downloaded from the software download (login is required) section of our web site or contact YSI customer support for a free copy.

For a comprehensive storage process for all products and sensors, see Sensor and Sonde Storage Recommendations.

Do I need to do anything special to my YSI 610D or 610DM for winter storage?

Yes. The YSI 610's should be wiped clean with a mild detergent and inspected for corrosion in the connectors or possible cable damage. Contact YSI Customer Service should you find any problems.

Once clean, the YSI 610's should be put away in a dry area. Storage indoors (50-90 F is recommended than outdoors. Do not leave the YSI 610's connected to its battery charger. Batteries can be damaged if overcharged.

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For a comprehensive storage process for all products and sensors, see Sensor and Sonde Storage Recommendations.

How often should my YSI 6-Series sonde be calibrated?

The calibration frequency of your equipment must be based on site and regulatory requirements that may be in place. If there are no mandatory requirements the following information can act as guide to assist you.

If being used for site profiling or flow cell type application, calibrate the instrument each time you go in the field. The DO sensor should be calibrated more frequently, especially if the sonde is being handled a lot or being transported from site to site. By performing post calibrations at the end of your study you will be able to better determine the frequency of calibration that your particular site requires.

Sondes that are used in unattended deployments have different requirements. In these applications a good post calibration of the instrument at recovery time is critical to determining what effects, if any, pollution or fouling may have had on the data collected. If significant drift is observed in a parameter, deployment times may have to be shortened to minimize the affects the pollutants or fouling have on the sensors.

See the YSI Technical Note "Tips For Deployment and Quality Assurance of Logged Data".

How can I protect my units from the affects of marine fouling?

Wrapping the instrument in a clear plastic food wrap can protect against marine fouling. A couple of layers of this plastic, held in place with electrical tape, will protect the main body and make clean up much easier. Just peel off the old wrap and replace it as necessary. Do not cover the pressure transducer port or the sensor guard, covering these areas will affect the sensor performance.

The sensor guard can be treated with an anti-fouling agent such as copper-based marine paint. By painting the guard inside and out (not the threaded portion) growth can be eliminated from this area. In extreme cases, sensor bodies can be hand painted. Caution must be used to avoid getting paint in critical areas of the sensor.

Can I use rechargeable/renewal batteries in my YSI 6-Series sondes?

Although some of our sondes have provisions to select a rechargeable battery, their use is not recommended. YSI sondes have a slow discharge rate for which rechargeable batteries are not well suited. Rechargeables can quickly develop a memory and not take a full charge, causing the sonde to run out of power before the described time.

YSI 6820 SONDE FAQs

Which probes are field replaceable on the YSI 6820?

All probes are field replaceable except depth/level.
pH and ORP are combined into one sensor.

How many parameters will the YSI 6820 support?

A fully loaded YSI 6820 will support 10 different measurable parameters plus 6 calculated parameters.

Which ISE sensors can be used at the same time?

All ISE sensors can be used at the same time; pH, ORP, ammonium, nitrate and chloride.

Can the YSI 6820 measure Turbidity?

Yes. Turbidity can be measured with either a wiped or unwiped sensor.

Is vented level available on the YSI 6820?

Yes. The YSI 6820 is available with vented level for highest accuracy at shallow depths.

Is open channel flow available on the YSI 6820?

No. Open-channel flow is not available on the YSI 6820 or any other 6-Series products without memory.

Does the YSI 6820 have internal memory?

No. The YSI 6820 does not have internal memory. When used for sampling with a YSI 610DM display/logger, the data can be stored in the YSI 610DM's memory. The YSI 6820 can also be deployed with a Data Collection Platform, such as the [YSI 6200 Data Acquisition System](#), for long-term unattended monitoring.

Will the YSI 6820 fit down a 3-inch diameter well?

Yes. The YSI 6820 is 2.85" in diameter.

What communication protocol is used with the YSI 6820?

Both RS232 and SDI-12 are standard protocols.