



YSI 5000/5100 DO INSTRUMENT FAQs

Which BOD probes can be used on the YSI 5000/5100?

The YSI 5000 and YSI 5100 are designed to use the YSI 5010 BOD probe. The YSI 5010 probe is a self-stirring BOD probe that connects directly to the instrument. When using the YSI 5010, the instrument provides power directly to the probe stirrer. YSI BOD probes such as the 5905, 5730, 5720A and 5750 will work with the YSI 5000/5100 also. However, an adapter, the YSI 5011, is required. The YSI 5720A probe will also need to be connected directly to an AC outlet for stirrer power.

Can a YSI 5000 or YSI 5100 be used in the field?

No. Models YSI 5000 and YSI 5100 are designed specifically for use in the laboratory. For a universal laboratory/field instrument, YSI recommends the YSI 52 or YSI 58.

Can the YSI 5000 and YSI 5100 be calibrated using the Winkler titration method?

Yes. The YSI 5000 and YSI 5100 can be calibrated using the Winkler method. However, YSI recommends using the "air calibration" method, which has been proven reliable for many years. See the Operation Manual that came with your instrument.

Do the YSI 5100 and YSI 5000 have barometers?

The Model 5100 does have an internal barometer to simplify calibration and improve accuracy. The Model 5000 does not have a barometer, but will allow for input of the barometric pressure.

Can the barometer of the YSI 5100 be easily calibrated?

Yes. Calibrating the barometer is easy, but care must be taken to ensure it is calibrated to local barometric pressure that has not been corrected to sea level. Most, but not all, weather stations and airports report the barometric pressure corrected to sea level. If using these sources, it is important to confirm whether their readings are corrected or not. The uncorrected barometric pressure can also be obtained using a standard mercury barometer in the lab.

Can the YSI 5000/5100 be connected to a computer?

Yes. The YSI 5000 and YSI 5100 have a bi-directional RS232 port and can be connected to a computer for software upgrades, for uploading data or for controlling the instrument functions from the computer.

Does the YSI 5000/5100 have to be returned for software upgrades?

No. Both the YSI 5000 and YSI 5100 are equipped with state of the art flash memory that allows for software upgrades via the RS232 port. If you have a computer, YSI 5000/5100 can be upgraded as new software enhancements become available. Go to YSI's software download (registration required) section or contact YSI Technical Support for a diskette.

Can the YSI 5000/5100 be used with BOD Analyst™ Software or a Barcode Scanner?

Both the YSI 5000 and YSI 5100 can be used with YSI's BOD Analyst Software (YSI 5120). Only the YSI 5100 can also be used with a barcode scanner (YSI 5015).

Why does my meter display an error or drifts when it is first turned on?

When the instrument is first turned on, it will take approximately 10-20 minutes for the probe to completely stabilize. After this time, the meter will become stable and calibration is possible.

Can the YSI 5000/5100 measure OUR or SOUR?

The YSI Model 5100 has imbedded software that calculates both Oxygen Uptake Rate (OUR) and Specific Oxygen Uptake Rate (SOUR). The YSI 5000 cannot perform these calculations.

Is there a service manual available for the YSI 5100?

Yes. A service manual is available for the YSI 5000 and YSI 5100. The part number is 051042. It can be ordered from YSI Customer Service.

What is the warranty period for the YSI 5000/5100

The instrument is warranted for two years from the date of purchase. YSI probes and cables are warranted for one year from date of purchase. If service is required, contact an Authorized YSI Service Center.

Can the YSI 5100 store OUR or SOUR tests in memory?

Yes. The YSI 5100 can store 5 tests each of OUR and SOUR.

Can the user modify setup parameters, such as solids weight, after the SOUR is stored in memory?

Yes. The most recent version of YSI 5100 software allows you to modify setup parameters. To upgrade your instrument to the most recent version, go to YSI's software download (registration required) section or contact Technical Support for a diskette.

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