

Instrumentation Resources

While this document does not aim to endorse any specific brands or products, it provides an overview of various instrumentation sensors, both inline and portable, that are widely used across the industry. The choice of brand is entirely at the discretion of each facility, depending on considerations such as price, specific needs, and effectiveness. A good practice when choosing a brand is to reach out to a neighboring/collaborating facility or ask a distributor for reference facilities to understand how the product performs before making an investment. When making a purchase of this nature, it's essential to consult with a company or sales representative to ensure you're selecting the right instrument for your plant's specific needs.

Dissolved Oxygen (D.O.) Sensors

Sensor Web Link	Type	Description
<u>Hach LDO DO Sensor</u>	Inline	This probe will also require the purchase and installation of a Hach SC controller. It is best to speak with a company rep before purchasing this piece of equipment.
<u>Hach HQ1130 Portable DO Meter</u>	Portable	Handheld meter for DO sampling.
<u>YSI Pro20i DO Meter</u>	Portable	Handheld meter for DO and temperature.
<u>YSI ODO200 Optical DO Meter</u>	Portable	Handheld instrument that is an optical-based dissolved oxygen meter ideal for DO sampling.
<u>YSI SensorNet FDO DO Probe</u>	Inline	This probe will also require the purchase and installation of a YSI IQ 2020 controller. It is best to speak with a company rep before purchasing this piece of equipment.
<u>YSI ProQuatro Multiparameter Meter</u>	Portable	Handheld meter that measures both DO and ORP as well as a variety of other parameters. Will require separate purchases of probes for different parameters.
<u>HQ4200 Portable Multi-Meter</u>	Portable	Handheld 2 channel meter that supports both DO and ORP as well as a variety of other parameters. Will require separate purchases of probes for different parameters.

Oxygen Reduction Potential (ORP) Sensors

<u>Hach HQ110 pH/ORP/mV Meter</u>	Portable	Handheld meter that measures pH and ORP.
<u>Hach Online Process ORP Sensor</u>	Inline	This probe will also require the purchase and installation of a Hach SC controller. It is best to speak with a company rep before purchasing this piece of equipment.



<u>YSI ProQuatro Multiparameter Meter</u>	Portable	Handheld meter that measures both DO and ORP as well as a variety of other parameters. Will require separate purchases of probes for different parameters.
<u>YSI SensorNet 700 ORP Probe</u>	Inline	This probe will also require the purchase and installation of a YSI IQ 2020 controller. It is best to speak with a company rep before purchasing this piece of equipment.
<u>HQ4200 Portable Multi-Meter</u>	Portable	Handheld 2 channel meter that supports both DO and ORP as well as a variety of other parameters. Will require separate purchases of probes for different parameters.
Phosphorus		
<u>Hach Phosphax Analyzer</u>	Inline	One of the more widely used inline phosphorus analyzers in the industry.
<u>YSI P700 IQ Orthophosphate Analyzer</u>	Inline	A popular option but not as widely used as Hach.
<u>ABB Aztec AW636 Phosphate Analyzer</u>	Inline	A newer option that is less used.

