Parameters:

Dissolved Oxygen (electrochemical)
pH
ORP/Redox
Conductivity
Specific Conductance
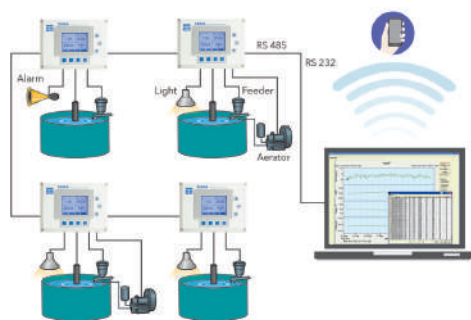Salinity
Total Dissolved Solids (TDS)
Temperature

Applications:

- Recirculating systems
- Raceways
- Ponds
- Sea cages
- Live haul
- Aquariums
- Research
- Tanks

Example of four 5200A's monitoring individual tanks with direct PC connection.

YSI 5200A Multiparameter Monitor & Control

Continuous Water Quality, Feeding, and Process Control

Engineered specifically for tank-based systems, the YSI 5200A Continuous Monitor and AquaManager® Software can be used to integrate process control, feeding, alarming and data management into one product or can be used to simply monitor one tank. Powerful enough to manage a full-scale farming operation from anywhere in the world yet simple enough for anyone to use.

- Multiparameter: DO, Temperature, Conductivity, pH, ORP, Salinity
- Ethernet TCP/IP or wireless communications - optional
- Event logging records calibrations, high and low conditions, etc
- Conditional feed timer with Feed Smart™ software included
- Networking capability up to 32 instruments per communications port or can be integrated with 5400 (galvanic) and/or 5500D (optical) MultiDO monitors
- Graphic interface function for quick, reliable system status checks
- Plug-and-play…easy to install, setup and maintain; no need to hire consultants
- Flexible dosing and control software
- E-mail and SMS alarming
- AquaViewer app available for easy access to view data at any time

Available on the App Store

The standard conditional feed timer, Feed Smart™, manages food delivery based on user's preset criteria.   Manage feed delivery based on user-selectable inputs for the number of daily feedings, daily feed weights, total biomass and feed conversion ratios (FCRs), along with parameter control based on water quality values. Interfaces with most auto feeders.

Optional AquaManager® desktop software allows you to view, configure, or setup instruments from the convenience of one central location. Instantly see an overview of your facility, manage parameter set points, and conveniently manage data to make informed operational decisions. The facility mapping feature provides an immediate overview of all ponds or tanks indicating their current state.

YSI.com/5200A

YSI 5200A System Specifications

Dissolved Oxygen (polarographic)	Range	0 to 500% air saturation; 0 to 60 mg/L
	Resolution	0.1% air saturation (0.0-99.9%); 0.01 mg/L (0-10 mg/L); 0.1 mg/L (10-60 mg/L)
	Accuracy	±2% or ±0.2 mg/L whichever is greater (0-200%) (0-20 mg/L), ±6% of reading (200- 500%) (20-60 mg/L)
	Response time	95% =17 seconds for 2.0 mil PE membrane; 95% = 36 seconds for 2.0 mil Polytetrafluoroethylene membrane
Conductivity	Range	0-200 µS, 0-2000 µS, 0-20 mS, 0-200 mS
	Resolution	0.1 µS (0-200 µS range); 1 µS (0-2000 µS range); 0.01 mS (0-20 mS range); 0.1 mS (0-200 mS range)
	Accuracy	±0.5% of range (0-100 mS); ±1.0% of reading (100-200 mS)
ORP	Range	-2000 mV to +2000 mV
	Resolution	1 mV
	Accuracy	±20 mV
pH	Range	0.0 to 14.0 pH
	Resolution	0.01 pH
	Accuracy	±0.2 pH
Salinity (calculated)	Range	0 to 80 ppt (0 to 50 ppt when entered manually)
	Resolution	0.1 ppt
	Accuracy	±2% or ±0.1 ppt
Temperature	Range	0 to 45°C (32 to 113°F)
	Resolution	0.1°C
	Accuracy	±0.2°C
Timers		4 timers - 10 events cascading events start/duration
		1 feed timer (feeder not supplied); Feed Smart™ software manages feed delivery, user-selectable inputs for number of daily feedings, daily feed weights, total biomass, FCRs and parameter control
Communication Ports		RS485 and RS232 standard; Ethernet and wireless optional
Memory/Logging		Non-volatile; 2000 data, 1250 relay/alarm, 1000 entries/change and 500 GLP records
Warranty		2-years instrument; 1-year cable and probes
Inputs		2 user-configurable inputs, (digital 0 to 1.0 VDC, 0 to 5.0 VDC or 4-20 mA, selectable) DO, pH, TGP, ORP, etc.*
Ratings		NEMA 4X, CE, ULC, CUL, ETL, RoHS, IP-65, Made in USA, lightning protection
Instrument Operating Range		-15 to 70°C (5 to 158°F)
		Direct exposure to outside conditions NEMA 4X Enclosure
Output Relays		4 internal 10 amp 115 VAC (5 amp 230 VAC) relays for parameter, control and/or alarm (not fused)
		E-mail and/or SMS alarming up to 3 e-mails with Ethernet module or up to 10 e-mails with AquaManager
Power Requirements	Option 1	12 VDC; mobile live haul or anytime AC power not available
	Option 2	100-240 VAC; automatically switches to 12 VDC back-up with alarm if primary voltage drops
Display		Back-lit graphic LCD (320 x 240) with timer, extended temperature range LCD with backlight
Operating System		AquaManager Software: Windows XP SP3/Vista/Windows 7 operating systems (32/64 bit)
Field Upgradable Software		Yes; flash based
Size		Height: 16.5 cm (6.5 in); Length: 21.6 cm (8.5 in); Depth: 12.1 cm (4.75 in)

YSI 5200A Ordering Information (order items separately) additional items available at YSI.com/5200A

5200A-AC	Multiparameter monitor, 110-240 VAC
5200A-DC	Multiparameter monitor, 12 VDC, power supply not included
5561-X	4- 10- 20- or 30-meter cable with polarographic DO/temp
5562-X	4- 10- or 20-meter cable with polarographic DO/temp/conductivity/pH (order 5564 or 5565 separately)
5564	pH Sensor Kit (calibration solutions not included)
5565	pH/ORP Sensor Kit (calibration solutions not included)
5209A	AquaManager desktop software
6505	Weather Shield
6509	Rail Mount Kit
6510	Panel Mount Kit
5402	Serial to Ethernet Cable

* A transmitter may be required.

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