



Y S I Environmental



YSI 5200A Continuous Multiparameter RAS Monitor



Engineered specifically for recirculating aquaculture 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 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

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. Browser-based format makes navigation, setup and maintenance easy and the facility mapping feature provides an immediate overview of all ponds or tanks indicating their current state.

Pure
Data for a
Healthy
Planet.®

A powerful, cost-effective solution for monitoring aquaculture systems.

Applications:

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



www.YSI.com/5200A



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ISO 9001
ISO 14001

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Specifications are subject to change. Please visit www.YSI.com to verify all specs.

YSI 5200A System Specifications

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)
Dissolved Oxygen	Range	0 to 500% air saturation; 0 to 60 mg/L
	Resolution	0.1% (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% of reading in 17 seconds for 2.0 mil PE membrane; 95% of reading in 36 seconds for 2.0 mil Teflon® membrane
ORP	Range	-2000 mV to +2000 mV
	Resolution	1 mV
	Accuracy	±20 mV
pH	Range	0.00 to 14.00 pH
	Resolution	0.01 pH
	Accuracy	±0.2 pH
Salinity	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; 1000 data, 1250 relay/alarm, 1000 entries/change and 500 GLP records	
Warranty	2-years instrument; 1-year probes and cable	
Inputs	DO, pH, ORP, conductivity, temperature 2 user-configurable inputs, digital (0 to 1.0 VDC, 0 to 5.0 VDC or 4-20 mA)	
Ratings	NEMA 4X, CE, ULC, CUL, ETL, RoHS, IP-65, Made in USA	
Instrument Operating Range	-15 to 70°C (5 to 158 °F) Direct exposure to outside conditions NEMA 4X Enclosure	
Output Relays	4 each 10 amp 115 VAC (5 amp 230 VAC) relays for parameter, control and/or alarm 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	
Operating System	AquaManager Software: Windows 2000/XP/Vista/Windows 7 operating systems	
Dosing Capability	Yes; pH and conductivity	
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)

Ordering information can be found at www.YSI.com/5200A under the Specifications tab