



Y S I Environmental



YSI 5200 Continuous System Monitor

Packed With Features!

Designed specifically for aquaculture systems, the YSI 5200 Continuous System Monitor and AquaManager™ Software integrate process control, feeding, alarming and data management into one product. Simple enough to monitor one tank, powerful enough to manage a full-scale farming operation from anywhere in the world.

- Multiparameter: DO, Temperature, Conductivity, pH, ORP, Salinity
- Internet ready TCP/IP communications
- Event logging records calibrations, high and low conditions, etc
- Conditional feed timer
- Multi-instrument networking capability
- Graphic interface function
- Plug-and-play...easy to install and maintain
- Flexible dosing and control software
- Remote paging

The conditional feed timer manages food delivery based on user's preset criteria. Feedings can be increased over a specific length of time, or decreased based on water quality parameters.

Optional AquaManager™ Windows®-based software links data management, system management, and networking to the desktop and internet. Browser-based format makes navigation, setup and maintenance easy.

Pure
Data for a
Healthy
Planet.®

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





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ISO 9001
ISO 14001

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YSI 5200 System Specifications

Conductivity	Sensor type	4 electrode, Cell constant of 5.0 ±5%
	Range	0-200 µS, 0-2000 µS, 0-20 mS, 0-200 mS
	Resolution	0.1 mS 200 µS range, 1 µS 2000 mS range, 0.01 mS range 20 mS range, 0.1 mS 200 mS range
	Accuracy	±0.5% of range (0-100 mS) ±1.0% of reading (100-200 mS)
Dissolved Oxygen (Automatic Salinity Compensation)	Sensor type	Membrane covered steady state polarographic
	Range	0 to 500% air saturation 0 to 60 mg/L
	Resolution	0.1% or 0.01 mg/L (0-10 mg/L), 1% or 0.1 mg/L (10-60 mg/L)
	Accuracy	±2% or ±0.2 mg/L whichever greater (0-200%), ±6% of reading (200- 500%)
	System response time	98% of reading in 5 minutes
ORP	Range	- 1000 mV to + 1000 mV
	Resolution	1 mV
	Accuracy	± 10 mV
pH	Range	0.0 to 14.0 pH
	Resolution	0.01 pH
	Accuracy	0.1 pH
Salinity (calculation from temperature and conductivity)	Range	0 to 80 ppt
	Resolution	0.1 ppt
	Accuracy	± 2 % or ± 0.1 ppt
Temperature	Sensor type	10,000 ohm @ 25 °C thermistor
	Range	0 to 45 °C, 32 to 113 °F
	Resolution	0.1 °C
	Accuracy	± 0.2 °C
Timers		4 ea General purpose timers, 1 start & 1 stop time per 24 hour period
		4 ea Feed timer with conditional settings for DO, Temp and pH (feeder not supplied)
Communication Ports		1 ea RS-485 Full Duplex
		1 ea RS-232-C Serial Communication
Data Logger		32K Memory – 750 sample data sets User selectable save rate
Warranty		2-year on instrument
		1-year on probes and cable
Auxiliary Inputs		2 ea inputs - 1 selectable digital or analog (0 to 1.0 VDC or 0 to 5.0 VDC selectable)
		1 ea digital (contact open/close w/current source)
Electrical Safety		UL, CUL and CE
Instrument Operating Range		Temperature - 15 to 70°C (23 to 158 °F)
		Direct exposure to outside conditions
		NEMA 4X Enclosure
Output Relays		4; 5 amp 230 VAC (10 amp 120 VAC) relays for parameter, control and/or alarm
Power Requirements (DC operation)	Nominal	12 VDC
	Operating Range	8.5 to 16.5 VDC (below 8.5 VDC uses optional battery back up)
	Operating Current	500 - 800 mA depending on mode of operation
Display		2 x 16 character, extended temperature range LCD with backlight
Operating System		AquaManager Software: Windows 95, 98, ME, NT 3.51, NT 4.0, 2000, and XP Autopoller: Windows 2000 and higher
Size	Height:	6.5"
	Length:	8.5"
	Depth:	4.75"