

Ammonia Analyzer

Reagentless Monitoring of Dissolved NH_3



Continuous on-line measurement of ammonia using pH appropriate sensor technology. Uses specific sensor adapted to operational pH range to ensure correct measurement. Determine free ammonia, total ammonia, and $\text{NH}_3\text{-N}$ for control and reporting purposes. Complete system mounted on wall mountable backpanel to facilitate installation. Sample header includes ammonia sensor, pH sensor, and temperature sensor.

Features & Benefits

- No reagents needed for continuous on-line monitoring.
- Measures ammonia concentration and logs values
- Two-point calibration of sensor at startup.
- Ethernet communication
- SCADA interface through 4-20 mA outputs or optional MODBUS
- Menu driven inputs for measurements and calibration
- Alarm capability on ammonia excursions
- Data logging and Trackster technology

Applications

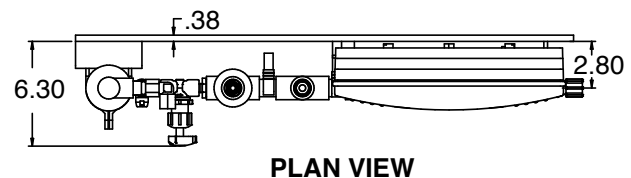
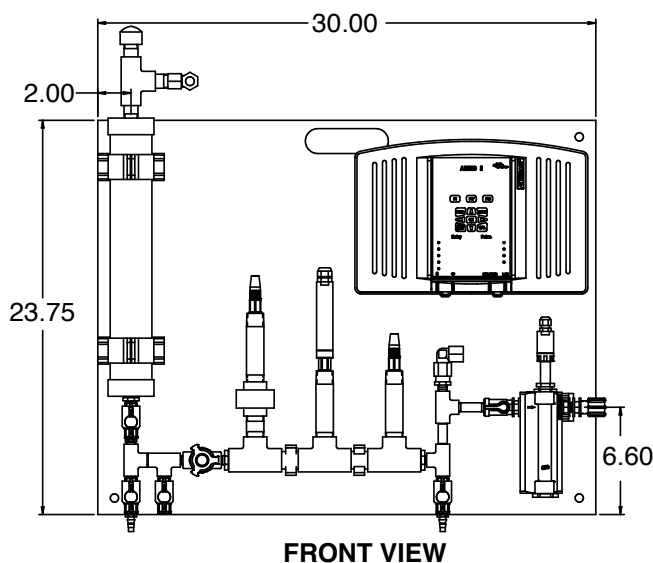
- Potable water
- Wastewater treatment
- Cooling towers and chillers
- Nitrification processes

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Specifications

Ammonia Sensor:	Potentiometric with gas-permeable membrane
Fixed temperature sensor:	Thermal compensation for both pH and ammonia measurements
pH sensor:	Displays value and provides compensation for ammonia sensor.
4-20 mA current outputs:	DC isolated, assignable to measured variables
4 max. manual inputs:	Assignable for user convenience
Communications interface:	HTML, TCP/IP Ethernet LAN optional, Micro web server with static IP, Modbus optional
Keypad – LCD:	5 key tactile feedback, 2 line backlit display
Power:	120 or 230 vac, 50/60 Hz
Fusing for 5 AC loads:	5 amps @ 120 VAC or 2.5 amps @ 230 VAC
Surge suppression:	Relay 2-5 N.O. contacts snubbed @ 0.1 uF, 150 ohm
Accessory power:	15-22 VDC, unregulated, thermally fused @ 50 mA
Enclosure:	Non-metallic, NEMA 4X, 14" W x 9" H x 3.75" D
Certifications:	UL/CSA (CE pending)

Drawings



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