

► up to 20 ppm

# ProMinent® Ammonia Analyzer

Experts in Chemical Feed and Water Treatment

ProMinent®

## Reagentless Monitoring of Dissolved $\text{NH}_3$

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 back panel to facilitate installation. Sample header includes ammonia sensor, pH sensor, and temperature sensor.

## Applications

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

## Features and 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



Ammonia Analyzer System



Ammonia Controller

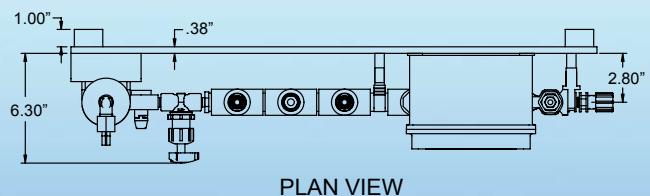
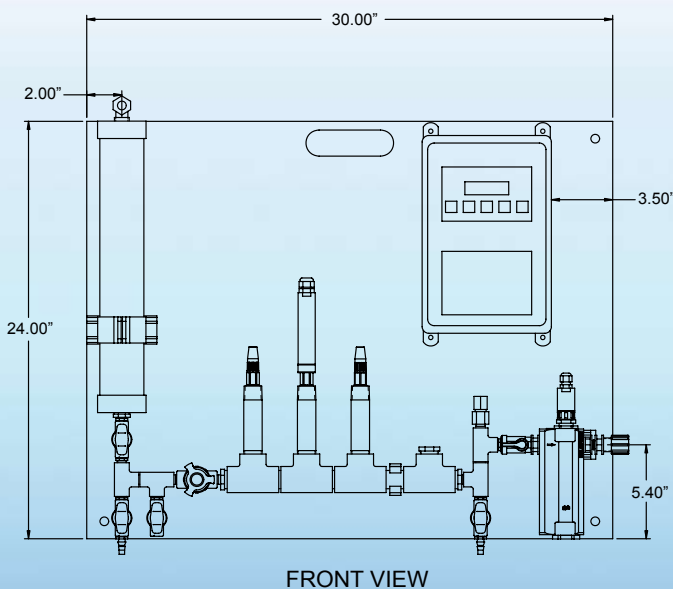
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## Specifications

<b>Ammonia Sensor:</b>	Potentiometric with gas-permeable membrane
<b>Fixed temperature sensor:</b>	Thermal compensation for both pH and ammonia measurements
<b>pH sensor:</b>	Displays value and provides compensation for ammonia sensor.
<b>4-20 mA current outputs:</b>	DC isolated, assignable to measured variables
<b>4 max. manual inputs:</b>	Assignable for user convenience
<b>Communications interface:</b>	HTML, TCP/IP Ethernet LAN options, Micro web server with static IP, Modbus optional
<b>Keypad – LCD:</b>	5 key tactile feedback, 2 line backlit display
<b>Power:</b>	120 or 230 vac, 50/60 Hz
<b>Fusing for 5 AC loads:</b>	5 amps @ 120 VAC or 2.5 amps @ 230 VAC
<b>Surge suppression:</b>	Relay 2-5 N.O. contacts snubbed @ 0.1 uF, 150 ohm
<b>Accessory power:</b>	15-22 VDC, unregulated, thermally fused @ 50 mA
<b>Enclosure:</b>	Non-metallic, NEMA 4X, 190 mmW x 287 mmH x 140 mmD
<b>Certifications:</b>	UL/CSA (CE pending)

## Drawings



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