

# Orion ionplus® Series Monitors Specifications



## 1810AO Ammonia Monitor

### Features:

- 10 ppb detection limit
- Direct measure of ammonia
- Continuous readings
- Simple operation and automatic calibration
- Digital LCD

### Markets:

- Power
- Pulp and Paper
- Chem / Petrochemical

### Applications:

- Boiler feed water

### Environmental Instruments Water Analysis Instruments

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S-1810AO-E 0506 RevB

### Specifications

#### 1810AO

Measuring Range:	10 ppb-10 ppm ammonia
Accuracy:	± 0.03 ppm Standard deviation ± 5%
Response Time:	90% response within 1.5 min
Signal Output:	4-20 mA or 0-20 mA 0-5V or 0-10V DC Linear or log output
Sample Requirements:	Temperature: 15 to 35°C (59 to 95°F) Pressure: (0.6 - 6.9 bar) (8-100 psi) Flow: 40 mL/min Total alkalinity: < 250 ppm CaCO <sub>3</sub>
Calibration:	Automatic - double known addition
Electrical Requirements:	110/115/220/240V AC 50/60 Hz 100 watts
Shipping:	Dimensions: (LxWxD) 65x45x27 cm (26x17x11 in) Weight: 31.4 kg (69 lbs)

### Ordering Information

Cat. No.	Description
1810AO:	Ammonia monitor, complete with sensing electrode, reference electrode, temperature probe, standard solution kit, signal output module
181049:	Calibration kit, with carrying case, includes standards, electrodes, bottles, tubing, solutions
180011:	Alarm module, 2 adjustable alarms
*181050:	Consumables kit, for 1 year
*181030:	Reagent, 2 liter bottle
181040:	Ammonia standard solutions kit
100047:	Ammonium electrode
100056:	Reference electrode, with 2 oz. bottle of filling solution
181127:	Temperature sensor



Ammonia Reagents, Electrodes  
and Solutions

*\*Contains hazardous material*

*Above data generated under optimal/controlled circumstances.*

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