



Pollution
& Process
Monitoring

ProAm Ammonia Analyser



- **Simple compact design**
- **Typically no filtration**
- **Minimal maintenance**
- **Auto wash cycle**
- **Low cost**

The *ProAm* is the latest development by PPM of process instruments measuring water quality. It uses proven technology with a design which optimises reliability and simplicity of operation. It is suitable for continuous/interval measurement of ammonia on raw water and final effluent containing up to 100mg/L of suspended solids without filtration.

Key Features

- **Ion selective technology**
- **Enhanced low level measurement**
- **Innovative design incorporates air purge agitation**
- **Automated chemical cleaning ensures reliable operation**
- **Large diameter tubing**
- **Simple menu and tactile keypad**
- **Analogue and digital interfaces to telemetry**
- **PC data logging option**
- **Wall board mounting option**

The analyser automatically calibrates on two known calibration standards and automatically chemically cleans using an acid to remove lime-scale and biological growth. The design incorporates ion selective measuring technology, sample temperature regulation using a heat exchanger and pinch valves to sequence calibration and cleaning. A LCD display and tactile keypad provides simple interaction with the processor and provision of an RS232 connection enables system configuration. The analyser is housed in a GRP rugged enclosure with viewing window protected to IP54.

ProAm Ammonia Analyser Specification

Detection Method	Ion Selective Electrode (Gas Sensing)
pH Balanced using	Sodium Hydroxide and EDTA
Range from	1ppm FSD upto 500ppm FSD (upto 10,000ppm with dilution option)
Resolution	0.01
Detection Limit	0.05
Accuracy	+/- 2% of FSD
Measurement	Continuous or interval operation (sleep mode-external control via digital I/P)
Sample	10ml per minute, solids content upto 100mg/L
Reagent	0.4ml/min (10 rpm model)
Calibration	Automatic two point
Wash	Automatic on a selectable timed basis
Output	0/4 – 20mA RS232/485 (option)
Alarms	Contact rating 500mA at 125VAC 2 relays fault alarms 2 relays high, high/high
Maintenance interval	6 Monthly
Dimensions	420h x 370w x 220d mm



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