



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 200mg/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. 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 IP64.

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 |
| Resolution | 0.01 |
| Detection Limit | 0.05 |
| Accuracy | +/- 2% of FSD |
| Measurement from | Continuous or interval operation |
| 10mins | |
| Sample | 10ml per minute solids content 200mg/l |
| Reagent operation | 0.3ml/min 10 l – 23 days continuous |
| Calibration | Automatic two point |
| Wash | Automatic on a selectable timed basis |
| Output | 0/4 – 20mA RS232/485 |
| Alarms | Contact rating 500mA at 125VAC 2 relays fault alarms 2 relays high, high/high |
| Dimensions (mm) | 410h x 370w x 230d |



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