

Increased flexibility with online, portable chlorine monitoring. **ChlorNet.**



Online portable, chlorine monitoring.

ChlorNet is ATI's continuous battery powered 'Lift and Shift' residual chlorine monitor, allowing for reliable, portable network monitoring across a wide range of applications.

Tried and trusted chlorine sensor technology

When first released, ChlorNet was the first continuous battery powered, portable chlorine monitor that gave the same measurement performance as a more traditional fixed monitor, with no compromises.



It provides information to assist with modelling and improves compliance. The continuous battery powered chlorine monitor is proven to provide accurate, reliable and real-time data, helping to improve the quality of water before it gets to

the customer. The monitor allows changes in chlorine levels to be continuously monitored, with companies being alerted to any emerging problems by an alarm. When used in conjunction with specified web portals, ChlorNet can geo-locate an event, indicating in which part of the network it is occurring.

Benefits

- Compact and easy to install
- Enables chlorine monitoring in distribution networks and distribution sites
- Enables improved chlorine monitoring for customer investigations after complaints
- The equipment can be serviced and maintained by water plc staff, providing significant cost savings
- Equipment can be utilised over and over again at different sites with 'Lift and Shift' flexibility
- Spares are easily available and parts are interchangeable providing excellent reliability

Details

- Monitor head reduced in size to fit in water-tight box
- Existing sensor utilised in water tight housing
- Uses a mobile data logger to transmit data onto a customer specified web portal
- Data can be logged at site with separate logger for manual downloading
- Equipment can be installed in minutes

Technical Specifications:

| Monitor | |
|---------------------|--|
| Range | 0-200 ppb, 0-2.000, 0-20.00 or 0-200.0 ppm or mg/l |
| Accuracy | ±0.5% of selected range or 0.02 ppm |
| Repeatability | 0.3% of selected range or 0.01 ppm |
| Sensitivity | 0.05% of selected range |
| Linearity | 0.1% of selected range |
| Temperature Drift | 0.01% of span/°C |
| Power | Two AA alkaline batteries, 3.2-17 VDC external power supply |
| Analog Outputs | Two 0-0.25 VDC, 50K ohms minimum |
| Output Isolation | 600 V galvanic isolation |
| Display | 4 digit, 0.75" numeric LCD with 12 character second line, LED back light |
| Ambient Humidity | 0-95%, non-condensing |
| Ambient Temperature | Operating: -40°C to +60°C, Storage: -40°C to +70°C |

| Sensor and Flowcell | |
|---------------------|--|
| Sensor | Membrane covered amperometric (Polarographic) |
| Materials | PVC & 316SS |
| Response Time | 90% in 60 seconds |
| Temperature Limits | 0°C to 50°C |
| Pressure Limit | 0-50 PSIG |
| Sensor Flowcell | Clear acrylic constant-head overflow or sealed acrylic flowcell optional |
| Sample Flowrate | 7-15 GPH (0.5-1.0 LPM) |

ChlorNet typical application for reservoir residual chlorine monitoring at the outlet



ATi UK is a leading provider of engineered, analytical sensor monitoring solutions for water and gas applications and data insights. Our pioneering and industry leading range of Network Monitors, Water Quality Monitors and Gas Detectors provide innovative solutions for the most demanding of applications.

sales@atiuk.com / +44 (0) 1457 873 318 / atiuk.com

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