

# Chlorine Monitoring

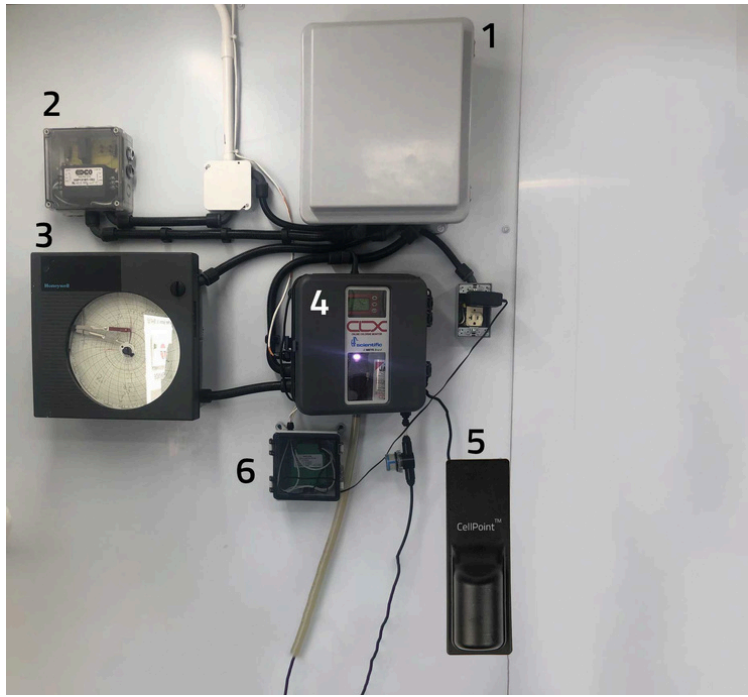
DataStream IoT stands at the forefront of utility and industrial IoT solutions, offering a comprehensive range of telemetry, RF, and cellular solutions. Our innovative products are the culmination of over two decades of engineering and product development expertise, led by our Israeli R&D subsidiary specializing in water related telemetry solutions. With a track record of successful system deployments in numerous countries, we have established ourselves as a trusted and reliable partner in the field of Industrial IoT solutions.

**DataStream's CellPoint Chlorine Monitoring** device, is designed to accommodate a wide range of 4-20mA analog sensors. Our real-time chlorine monitoring technology solution equips water utilities with chlorine monitoring that plays a crucial role in maintaining water quality, safeguarding public health, and ensuring the efficient operation of water treatment systems.

## Key Advantages

- ◆ **Water Safety:** Monitoring chlorine levels ensures that the water remains safe for consumption by effectively controlling the growth of bacteria, viruses, and parasites.
- ◆ **Public Health:** Maintaining proper chlorine levels helps prevent waterborne diseases, protecting public health.
- ◆ **Process Optimization:** Monitoring chlorine levels allows water treatment facilities to optimize their disinfection processes.
- ◆ **Early Detection of Issues:** Monitoring chlorine levels can help detect problems in water treatment systems early on.
- ◆ **Compliance:** Many regulatory agencies require water treatment facilities to monitor chlorine levels and adhere to specific standards. Regular monitoring helps ensure compliance with these regulations, avoiding fines and penalties.
- ◆ **Preventing Chlorine Residuals:** Monitoring chlorine levels helps prevent the overuse of chlorine, which can lead to the formation of harmful disinfection byproducts.
- ◆ **Emergency Response:** Monitoring chlorine levels enables rapid response to emergencies such as contamination events or infrastructure failures.

# Chlorine Monitoring



- 1 - Connection box
- 2 - Chlorine sensor
- 3 - Circular chart recorder (plotter)
- 4 - Chlorine analyzer unit
- 5 - CellPoint IOT device
- 6 - Signal splitter

Our unique CellPoint Chlorine Monitoring Device provides accurate real-time 15-minute data logging, alert notifications, insightful reporting as a plug and play cost effective addition to a full-scale utility SCADA systems, or as a stand-alone entry-level infrastructure monitoring platform.

## Key Features

- Compatible with any 4-20Ma analog sensor and the CLX Online Residual Chlorine Analyzer For Free or Total Chlorine.
- Ease of installation, supported by a mobile app.
- User defined hi/lo thresholds for event alerting.
- Field replaceable battery powered device - no external power required.
- DataSense portal provides event reporting, trend analysis, networks reception data and GIS information.
- The CellPoint sends the information to the portal once a day (or more frequently, if required). When coverage is limited, the device retains the logged data and attempts to retransmit the information.

