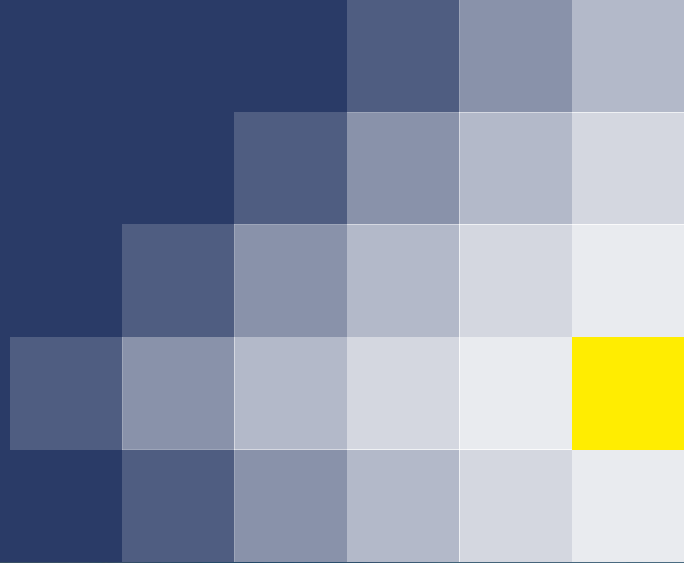




OpreX™ Analyzer

SENCOM 4.0 solution for water industry

Smart Turbidity & Chlorine Analyzers





Reliable and smart water management system


Since sales began in 1959, Yokogawa's has continuously developed and improved the turbidity and free chlorine meters using various principles suited for multiple applications. Yokogawa has earned its customers confidence focusing on accuracy, reliability, and serviceability with its many achievements.


Building on this experience, Yokogawa has developed a new analyzer solutions platform featuring superior measurement technology to deliver enhanced value throughout the product lifecycle.





- 
Simplified selection

The FLXA series is one analyzer that can measure multiple measurements simultaneously, assisting with reducing CAPEX and OPEX.
- 
Expert guide

The intuitive menu structure, along with easy-to-understand alarm settings and detailed troubleshooting information, contributes to your online process control measurements' credibility and reliability.
- 
Process guard

Real-time diagnostics and consumable parts lifetime monitoring predicts next maintenance and consumable parts replacement for pro-active maintenance
- 
Maintenance manager

Regular maintenance and calibration in the field can easily take half an hour per measurement monthly or bi-weekly. Automatic zero calibration function washes measurement cell and calibrate automatically on the scheduled time. In addition, the SENCOM 4.0 platform utilizes the "plug and play" function and no need to adjust analyzers on the field, and it will significantly decrease downtime while increasing measurement integrity.
- 
Advanced flexibility

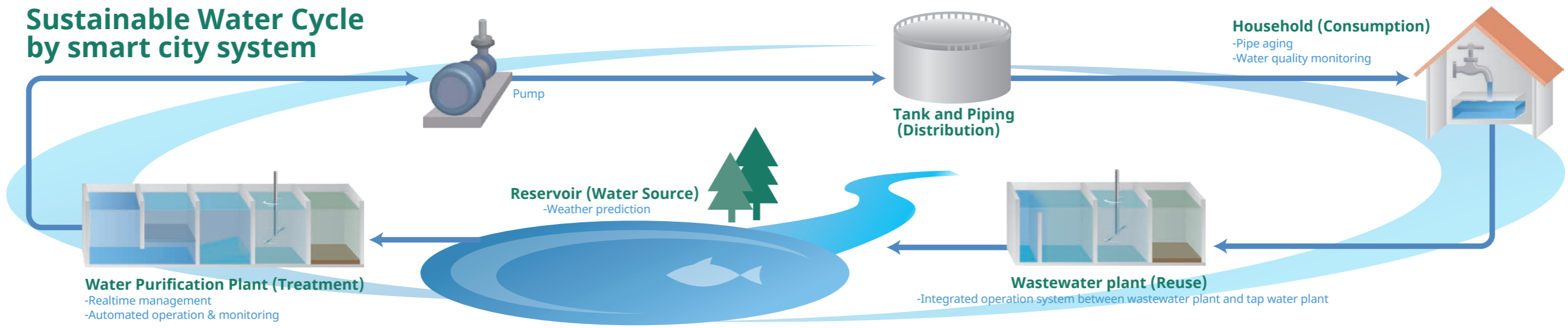
The FLXA402T dual-channel unit can mix and match measurement parameters with turbidity, chlorine, pH, or conductivity. With Turbidity/Chlorine's addition into the SMART Sensor Platform, "Smart City" can be achieved with one "small water monitoring system."
- 
Data Mobility

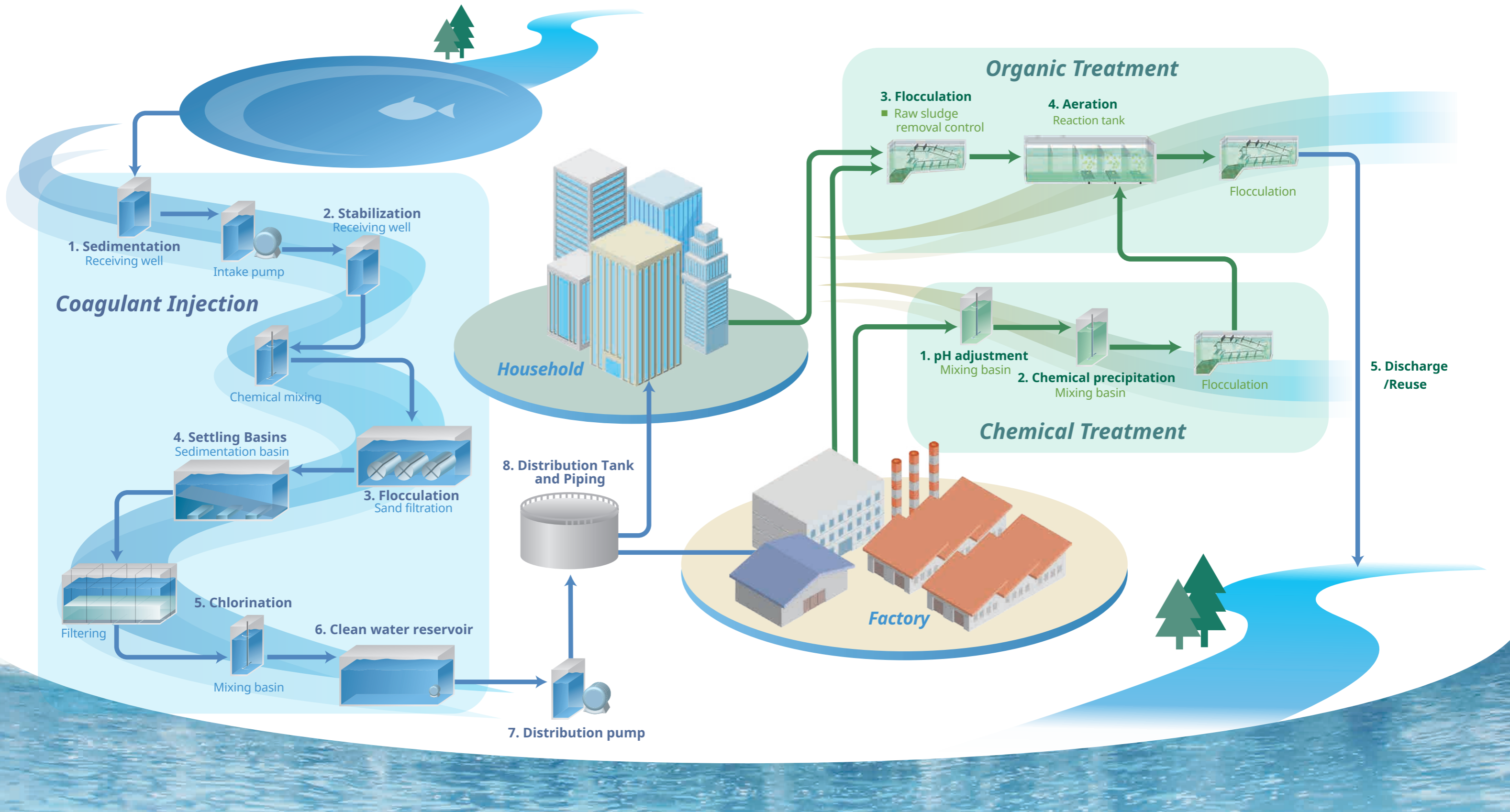
Accelerates time-to-value of new technology and provides the flexibility, simplicity, and efficiency to move data and workloads seamlessly on an ongoing basis.

Yokogawa's next-generation Turbidity and Chlorine analyzer for smart city

To facilitate optimal processes and improve personnel efficiency, Yokogawa has placed a strong focus on our Digital SMART Sensor SENCOM 4.0 Platform. This innovative analyzer platform provides full visualization and enhanced process uptime by optimizing maintenance, reducing configuration time, and simplifying in-field maintenance and calibration.

Sustainable Water Cycle by smart city system





Water Purification Treatment

1. Sedimentation	pH, Conductivity Turbidity
2. Stabilization	pH, Chlorine
3. Flocculation	pH, Turbidity, Chlorine
4. Settling Basins	pH, Turbidity, Chlorine
5. Chlorination	Chlorine
6. Clean water reservoir	pH, Turbidity, Chlorine
7. Distributing pump	pH, Turbidity, Chlorine
8. Distribution tank and Piping	pH, Turbidity, Chlorine, Pressure, Temperature

Wastewater Treatment

1. pH adjustment	pH, ORP
2. Chemical precipitation	pH
3. Flocculation	pH
4. Aeration	DO, MLSS
5. Discharge/Reuse	pH, Turbidity, Chlorine, Flow

SENCOM4.0 Platform for Smart water supplying system

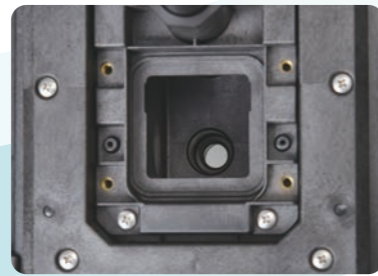
Liquid Analyzer for Turbidity and Chlorine FLXA402T



- Color touch LCD display
- Short cut menu for regular maintenance
- Multi sensor input from Turbidity, Chlorine, pH and conductivity.
- Intelligence Diagnostics function
- Various communications
- 8 languages are available

Right Angle Scattered Light Turbidity Detector TB820D

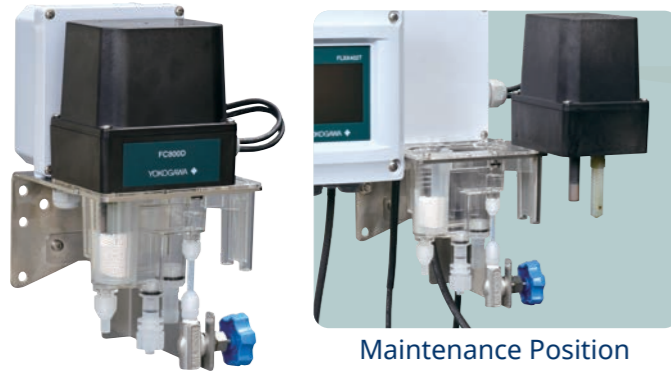
- Easy Clean Structure
- LED light source
- No metal wetted parts
- Remote/Automatic range switching
- Ultrasonic Cleaning
- Automatic wash/calibration and remote wash/calibration are available
- Air denoising function



Flat window Structure



Non-reagent Type Free Available Chlorine Sensor Unit FC800D



Maintenance Position

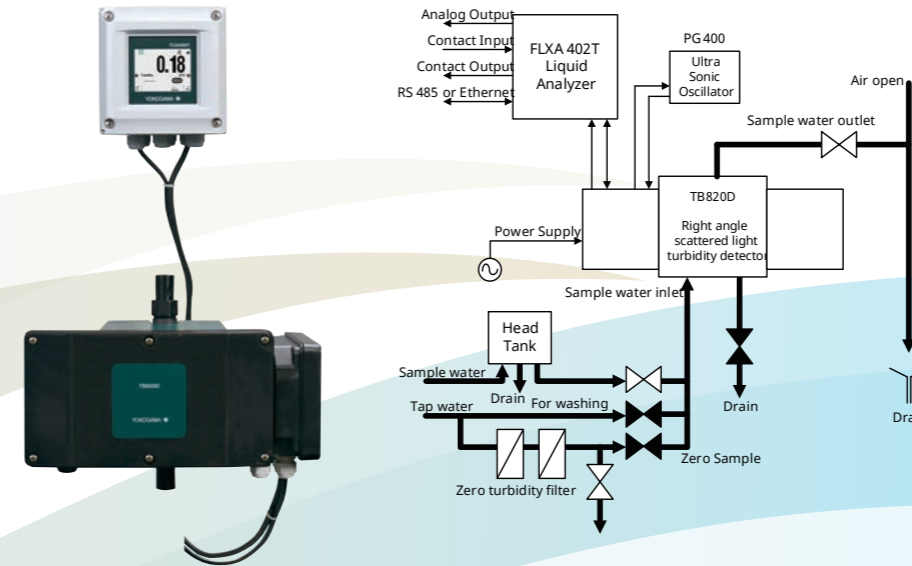
- Amperometric measurement of free chlorine (polarographic method)
- No reagent measurement
- Electrode continuously clean with beads
- Remote/Automatic range switching
- Automatic wash/calibration and remote wash /calibration are available

Reagent Type Residual Chlorine Sensor Unit RC800D

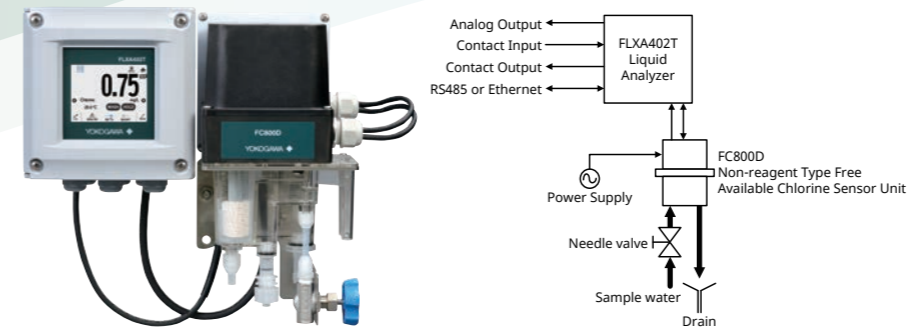
- Amperometric measurement of free chlorine or total chlorine (polarographic method)
- High accuracy and can use wide applications
- Electrode continuously clean with beads
- Remote/Automatic range switching
- Automatic wash/calibration and remote wash/calibration are available
- All measurement system is integrated



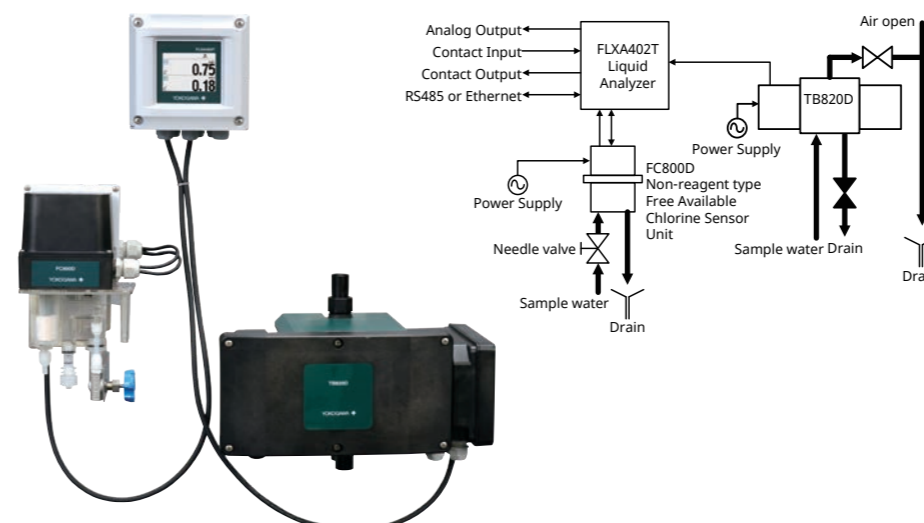
Turbidity Typical System configuration



Chlorine Typical System configuration



Chlorine and Turbidity 2 in 1 System configuration



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