



TBox for Water and Wastewater



Significant challenges are part of everyday life for professionals in the water and waste water industries. Companies are tasked to expand, maintain and troubleshoot aging systems all while operating under significant and ever changing budget constraints. Innovative and cost effective solutions allow companies to achieve these goals by saving money on capital equipment, maintenance, and manpower costs.

TBox RTU's help hundreds of water and waste water utilities worldwide conquer these challenges with superior performance, flexibility and reliability.

Powerful, Flexible and Affordable RTU Solutions from Semaphore

TBox RTU's for Monitoring and Control

TBox LT2 Series RTU's combine alarm notification, data logging, integral web server, IP telemetry and programmable automation in a single, rugged package. TBox uniquely supports a broad range of core functionality:

- High-performance 400MHz CPU with up to 32GB Expandable Memory
- 40+ Industrial and IT Protocols supported including DNP3, Modbus TCP/IP, Modbus RTU, AB DF1, SNMP, FTP, HTTP, NTP and many more
- Cyber-Security Suite including Encryption, Firewall, HTTPS, FTPS, Authentication, VPN, and more
- IEC-61131 Ladder, Structured Text (Basic) and Function Block Programming
- Integrated HMI works on any smart phone, tablet or PC
- Alarm Notification via email and SMS/Text
- Data Logging, Forwarding, Reporting, etc.
- Class I, Division 2, Groups A – D approved
- -40° to 70° C operating temperature range
- Rugged aluminum package and compact footprint
- Optional Integrated 3G cellular communications
- Low Power for Solar Powered Applications
- And much, much more.

Applications Include:

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|------------------------|--------------------|------------------------|----------------------------|
| • Distribution Systems | • Source of Supply | • Lift Stations | • Potable Treatment Plants |
| • Pump Stations | • Chemical Feed | • Gathering Systems | • Recycled Water Plants |
| • PRV's | • Storage Systems | • CSO / SSO Monitoring | • Waste Water Plants |
| • Raw Water Gathering | • Power Monitoring | • Corrosion Monitoring | • And more... |



TBox Model LT2-532-3 as shown:

- 16 Digital In/Out (configurable) with 3 High Speed Counters
- 8 Analog Inputs
- 2 Analog Outputs
- 1 Ethernet
- 2 Serial (RS232/485)
- Optional 3G Cellular Modem



A Servelec Technologies Company

For more than 25 years and over 150,000 RTU installations worldwide, Semaphore's TBox solutions are proven high performance and cost effective solutions for a variety of applications in the Water and Wastewater industries.

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