

ControlIQ Elite

Oxidizer Monitoring Reinvented: Inline sensing + control, clean and stable by design.

Introducing the THOR ControlIQ Elite — a disruptive, panel-mounted solution that lets you both monitor and control using inline oxidizer sensing (Free Chlorine). For the first time, oxidizer control can be seamlessly integrated with PTSA, Conductivity, pH, ORP, or any combination — all on a single platform. ControlIQ Elite delivers a complete solution, not a patchwork of add-ons, with built-in software for operators that includes intuitive graphing and smart notifications. In addition to local visibility, it offers interoperable tools to securely share data with enterprise software and industrial monitoring systems. No CSV files. No outdated gateways. Just contemporary IT-grade communication and security, built in from day one.

Key Highlights

- **Oxidizer Monitoring Reinvented:** Inline sensing + control, clean and stable by design.
- **Expandable Inline Sensing:** Rugged Modbus-connected sensors — no power packs, no extra hardware, no clutter.
- **Advanced Communications:**
 - Secure Machine-to-Machine **cellular connectivity**
 - Built-in **Ethernet** with support for **Modbus TCP/IP**
 - **Real-time data transfer** direct from the THOR API
 - **No gateway required**
- **Rugged Sensing Technology:**
 - Automated **mechanical brush flow assembly** keeps electrodes clean
 - **Automated flow control ensures** stable signals and accurate readings
 - Built for water streams where membrane or wet-chemistry analyzers typically foul
- **Expanded I/O & Control:**
 - **10 modbus inline sensors** – Data and power on a single cable leaving analog and dry contact inputs available for additional devices
 - **8 analog inputs** for flexible sensor integration
 - **8 software-configurable dry contacts** for meters and auxiliary devices
 - **8 powered relays for total feed and process management**
 - **Optional analog output module** supporting up to 12 additional relays



THOR ControlIQ Elite



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Core Features Table

Feature	THOR ControlIQeliteB
Oxidizer Sensing & Control	Inline Free Chlorine Sensor with pH compensation
Additional Parameters	PTSA, Conductivity, pH, ORP
Sensor Connectivity	Modbus-connected (no power packs required)
Self-Cleaning Assembly	Automated mechanical brush
Flow Control	Closed-loop for stable signals
Analog Inputs	8
Dry Contacts	8 (software configurable)
Powered Relays	8
Data Security	OTP authentication, server-grade encryption
Communication	Cellular M2M, Ethernet, Modbus TCP/IP
API Access	Real-time direct data transfer to third party platform
Firmware	Automatic updates, always current
Cloud Integration	ZEUS Cloud with SNAPSHOT graphing
Mobile Apps	iOS & Android – visibility + programming (included at no extra charge)

Key Highlights

- **Always Up-to-Date:** Automatic firmware updates, no USB sticks, no site visits.
- **Full Communication Suite:** Cellular + Ethernet + Modbus TCP/IP + API. No gateway required.
- **Complete Visibility:** ZEUS Cloud with trend graphing, snapshot analysis, and enterprise dashboards.
- **User Control & Security:** Remote user management, OTP login, user logs, calibration history.
- **Digital Sensor Advantage:** Simple M12 thread-on connections. Expandable up to 10 inline sensors
- **Low Maintenance:** Brush cleaning + controlled sample flow for extended service intervals.
- **One Panel, One Solution:** Monitoring, data, and control all in a single integrated system.



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