Superior Communications

Part of a range of controllers, the CRIUS® is the big brother of the CRONOS® and offers more sensor connections, more functionality and more flexibility with a color screen and optional built in 3G/4G modem. The CRIUS® is an attractively priced, top of the range instrument controller. Optional comms packages allow Profibus, Modbus ASCII, Modbus RTU, Modbus TCP and others.

More Sensors. More Control

CRIUS® is equipped with the capability to connect up to 4 sensors of any type with optional analogue outputs and relays. 4 sensors not enough? Simply connect up to 4 CRIUS® together all using the same display and communications. Equipped with datalogging as standard and multiple PID loops as options, CRIUS® is very able to control complex water treatment processes at a fraction of the cost of other controllers.

Easier To Use

With simple ‘plug & play’ inputs and outputs, intuitive display and button control, and with an individual manual configured to be the same as your analyzer, the CRIUS® makes setup and ongoing use simple and easy.

Better Security

With all users having their own log on, and with three levels of instrument and remote access security, you can use CRIUS® with all of its superior functionality with confidence.
**Dimensions**

**Mounting Options**
- **Wall**
- **Pole**
- **Handrail**
- **Panel**

**Specification**

**CRIUS®**

- **Power Requirements**: 100-240 VAC/0.25 A or 12 VDC/0.8 A
- **Languages**: Any non-pictogram by request
  - Any Latin, Cyrillic, Hellenic
- **Inputs**: Up to 4 configurable sensor inputs (expandable to 16 inputs); 4-20 mA, 4-20 mA loop-powered, 0-2 VDC, +/- 1200 mV for pH, ORP, or ISEs, PT100, potentiometric, pulse and Modbus. Unused sensor inputs can be used as outputs. Up to 8 digital inputs (expandable to 32)
- **Outputs**: Up to 4 dedicated configurable analogue outputs (expandable to 16 outputs), 0-20mA, 4-20mA, 0-1 VDC, 0-10 VDC, 1-10 VDC. Up to 8 SPDT electromechanical relays (expandable up to 32 relays) rated 10A at 250 VAC and 5A at 30 VDC
- **Alarms**: 2 user configurable alarms with deadband and delay for each measurement and control output.
- **Thresholds**: 2 user configurable thresholds (for control) with deadband and delay for each measurement and control output
- **PID**: Configurable flow proportional PID - multiple loops
- **Communication (Optional)**: Modbus ASCII/RTU (RS485), Profibus DP, Modbus TCP (Ethernet), 2G/3G/4G Modem
- **Memory Backup**: All user configuration is stored in non-volatile on-board flash memory
- **Enclosure**: ABS flame retardant
  - IP65, Nema 4X
- **Dimensions (mm)**: 230 x 309 x 103
- **Display**: 4.3", 480 x 272, 24 bit color
- **Weight**: 2 kg
- **Warranty**: 12 months from date of purchase (longer warranty optional)
- **Data Logging**: Internal - Single parameter, downloadable data logs or status message logs over 1 million records.

*All subject to change without notice*