CRIUS®4.0 + Sensors = Product Name

Free Chlorine Analyzer	HaloSense
Total Chlorine Monitor	HaloSense
Chlorine Dioxide Analyzer	DioSense
Ozone Monitor	OzoSense
Dissolved Oxygen Meter	OxySense
Suspended Solids Monitor	SoliSense
Streaming Current Monitor	StreamerSense
pH Analyzer	pHSense
ORP Analyzer	ORPSense
Conductivity Analyzer	Conductisense
Organics Monitor	UV254Sense
Particle Counter	CounterSense
Fluoride Monitor	FluoriSense
Peracetic Acid Analyser	PeraSense
Filter Monitor (Particle Counter)	FilterSense
Coagulation Controller	CoagSense
Turbidity Meter	TurbSense

Superior Communications

Part of a range of controllers, the CRIUS®4.0 is the 'big brother' of the CRONOS® and offers more sensor connections, more functionality and more flexibility with a colour screen and optional built in 3G/4G modem. The CRIUS®4.0 is an internet of things (IoT) enabled top of the range instrument analyser/controller. Optional comms packages include MQTT, Profibus, Modbus ASCII, Modbus RTU, Modbus TCP and others.

More Sensors, More Control

CRIUS®4.0 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®4.0 together all using the same display and communications. Equipped with datalogging as standard and multiple PID loops as options, CRIUS®4.0 is 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 analyser, the CRIUS®4.0 makes setup and ongoing use simple and easy.
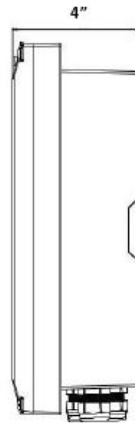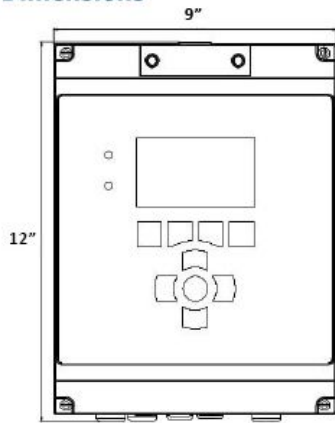
Better Security

With all users having their own log on, and with three levels of instrument and remote access security, you can use CRIUS®4.0 with all of its superior functionality with confidence.
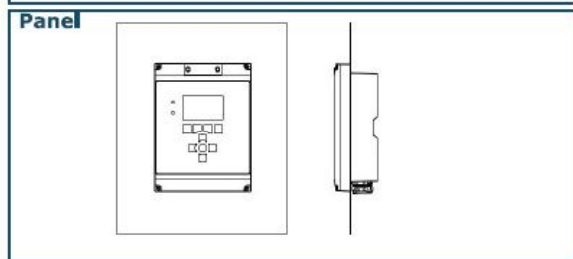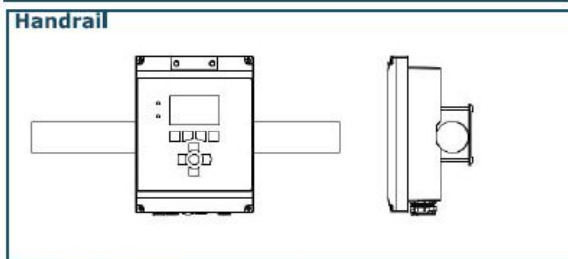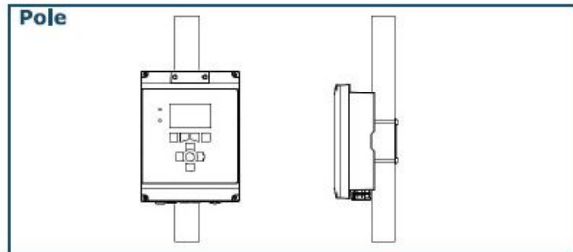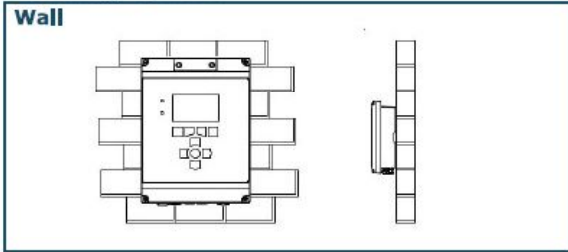
	CRIUS®
Highest quality sensors	√
Multilingual	√
System logger	√
On display trending	√
Event logger	√
Download logs	√
PID controls	optional
Up to 4 sensors	√
Expandable to 16 sensors	optional
Analog outputs V and mA	√
Isolated universal inputs & outputs	√
Large high resolution display	√
Color display	√
Up to 8 relays	√
Expandable to 32 relays	optional
Up to 8 relays	√
Expandable to 32 relays	√
Up to 8 digital inputs	√
Expandable to 32 digital inputs	optional
Remote internet access	optional
GSM/GPRS/3G integrated modem	optional
Remote Access LAN	optional
MQTT	√
Profibus	optional
Modbus ASCII/RTU serial	optional
Modbus TCP (LAN enabled)	optional
AC/DC 110 240 VAC, 12 VDC	√
Wall, panel, pole, handrail mountable	√
IP65 / NEMA 4X enclosure	√
Fire retardant ABS enclosure	√

Dimensions

Mounting Options

Wall	Pole
Handrail	**Panel**

CRIUS® Specifications

Power Requirements	110-240VAC / 0.25A or 9-36 VDC (optional)
Languages	Any non-pictogram by request, any Latin, Cyrillic, Hellenic
Inputs	Up to 4 configurable sensor inputs; 4-20mA, 4-20mA loop-powered, 0-2VDC, +/- 1200mV for pH, ORP or ISEs, PT100, pulse and Modbus. Expandable to 16 Inputs. Unused Inputs can be used as outputs. Up to 8 digital Inputs, expandable to 32.
Outputs	Up to 4 configurable analog outputs; 0-20mA, 4-20mA, 0-1VDC, 1-10VDC. Up to 8 SPST electromechanical relays rated 10A at 175VAC, 3A at 750VAC, 5A at 30VDC.
Alarms	2 user configurable alarms with deadband and delay for each parameter 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
Communications (optional)	MQTT Modbus ASCII/RTU (RS485) & Modbus TCP (Ethernet) Profibus DP 2G/3G Modem
Memory Backup	All user configuration is stored in non-volatile on-board flash memory
Enclosure	ABS flame retardant IP65N, NEMA 4X
Dimensions	9" X 12" X 4"
Weight	4.4 lbs.
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