



# Water Quality Analysers



## CRIUS<sup>®</sup> - Controller, Transmitter, Analyzer superior functionality as standard



### CRIUS<sup>®</sup> + Sensors =

- Free Chlorine Analyser (HaloSense)
- Total Chlorine Monitor (HaloSense)
- Chlorine Dioxide Analyser (DioSense)
- Ozone Monitor (OzoSense)
- Dissolved Oxygen Meter (OxySense)
- Suspended Solids Monitor (SoliSense<sup>®</sup>)
- Turbidity Meter (SoliSense<sup>®</sup>)
- pH Analyser (pHSense)
- ORP Analyser (ORPSense)
- Polymer Control (PolySense)
- Biofilm Monitor (BioSense)
- Online Conductivity (ConductiSense)
- External inputs
- Choose from Standard Configurations or 'Build Your Own'

### High Quality-Superior Functionality

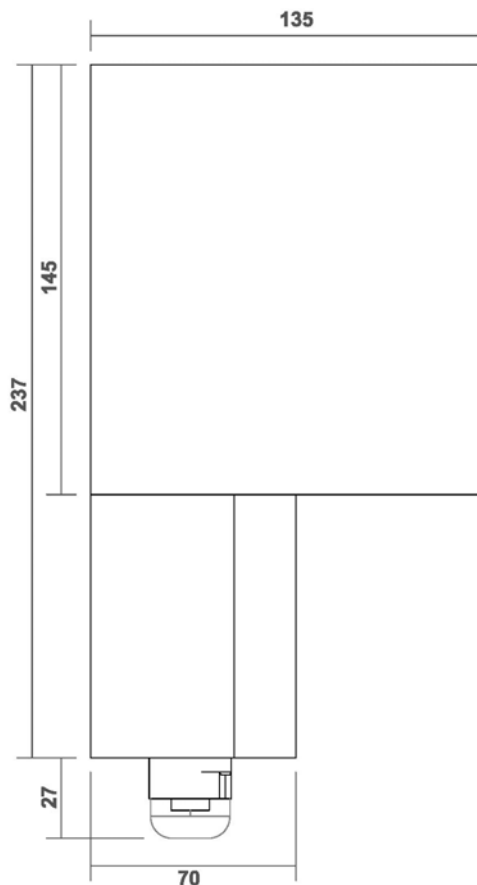
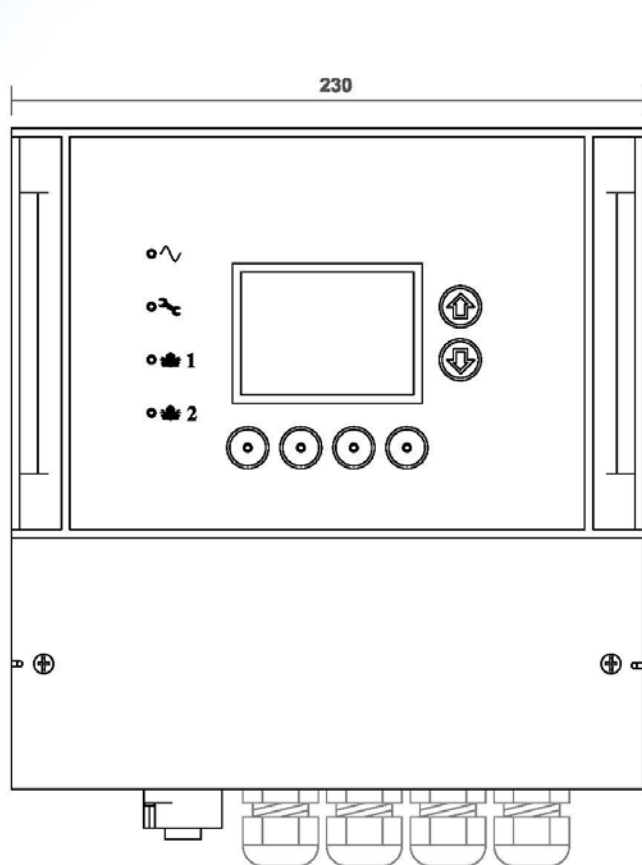
Part of a range of controllers, the CRIUS<sup>®</sup> is the big brother of the CRONOS<sup>®</sup> and offers more sensors, more functionality and more flexibility with the colour screen (touch screen optional) and optional built in GSM modem, the CRIUS<sup>®</sup> is an attractively priced top of the range instrument controller. Optional comms packages allow Profibus, Modbus ASCII, Modbus RTU, Modbus TCP, HART and others.

CRIUS<sup>®</sup> is equipped with the capability to control up to six sensors of any type with appropriate analogue outputs and relays. Equipped with PID control and datalogging as standard, CRIUS<sup>®</sup> is very able to control complex water treatment processes at a fraction of the cost of other controllers. Customers requiring additional sensors or a no-frills controller such as datalogging, on-screen graphical reporting, or remote access via the internet should consider CRATOS or CRONOS<sup>®</sup> controllers.

### CRONOS<sup>®</sup> CRIUS<sup>®</sup> CRATOS

High quality sensors			
Multilingual			
Set up wizard			
System logger			
Datalogger			
Event logger			
PID controls	Opt	Opt	Opt
Up to 3 sensors			
Up to 6 sensors			
Up to 12 sensors			
Analogue outputs V and mA			
Isolated universal inputs & outputs	Opt		
Multi line display			
Coloured backlight		N/A	N/A
Colour screen			
Touch screen		Opt	
Integrated modem and text alarms		Opt	Opt
Up to 4 relays			
Up to 8 relays			
Up to 16 relays			
Remote internet access GSM/GPRS		Opt	Opt
Remote Access LAN		Opt	Opt
Profibus	Opt	Opt	Opt
Modbus ASCII/RTU serial	Opt	Opt	Opt
Modbus TCP (LAN enabled)	Opt	Opt	Opt
HART	Opt	Opt	Opt
AC & DC versions			

## Dimensions



## Specification

### CRIUS®

#### Power Requirements

100 - 240 VAC/0.25 A or 12 VDC/0.8 A

#### Languages

Any by request

#### Inputs

Up to 6 configuration analogue inputs; 4-20mA, 4-20mA loop-powered, 0-10 VDC, +/- 2000 mV for pH or ISEs, PT100  
4 digital inputs for signals or pulse counting  
RS-485 Modbus ASCII/RTU

#### Outputs

Up to 6 configurable analogue outputs; 4-20mA, 0-10 VDC, 0-1.25 VDC max 750 ohms impedance  
Up to 8 SPST electromechanical relays rated 380 VAC, 8 A max or  
Up to 8 SPST solid state relays rated 3-26 VDC, 3 A max or  
Up to 6 SPST solid state relays rated 100-240 VAC, 3 A max

#### Alarms

2 user configurable alarms with deadband and delay for each sensor input

#### Communication (Optional)

Allows communication/networking with PLC, SCADA or BMS  
Modbus ASCII/RTU (RS485)  
Profibus DP  
HART  
Modbus TCP (Ethernet)

#### Memory Backup

All user configuration is stored in non-volatile on-board flash memory

#### Enclosure

IP rated 65  
ABS/polycarbonate/EPDM construction

#### Dimensions

230 x 237 x 135

#### Display

¼ VGA colour display  
Optional 5.7" touch screen

#### Weight

2 kg

#### Warranty

12 months from date of purchase

everything you need, and nothing you don't  
find your local supplier at [www.processinstruments.net](http://www.processinstruments.net)

