



# Water Quality Analysers



## CRATOS - Datalogger, Display, Communications superior as standard



### CRATOS + Sensors =

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

### Superior Functionality Multi-sensor Controller

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

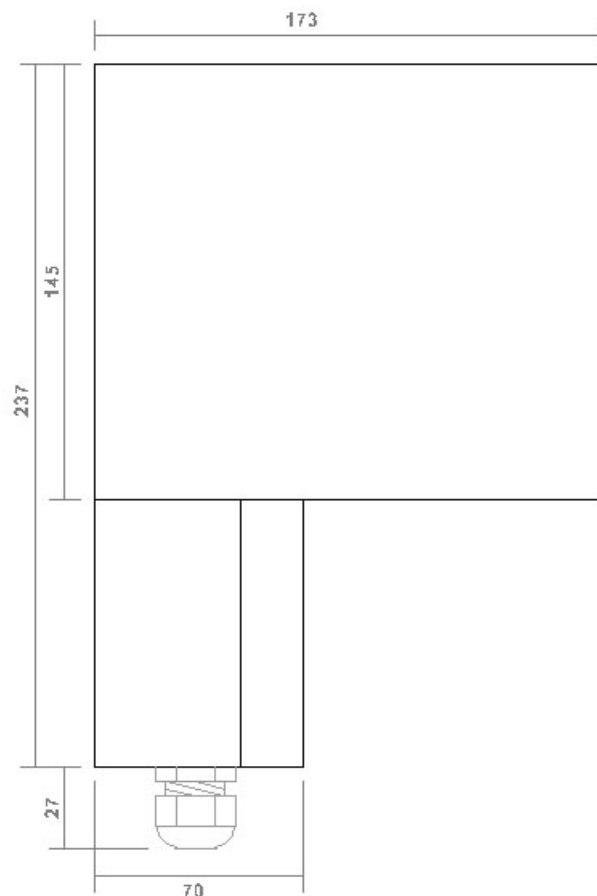
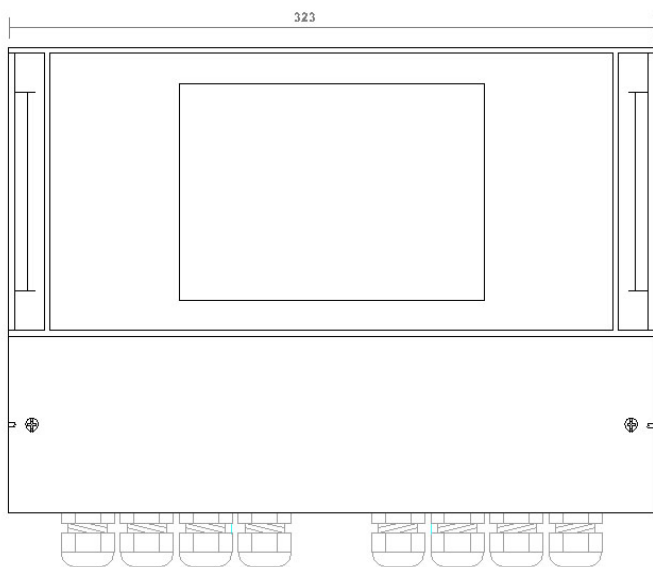
CRATOS is equipped with the capability to control up to 12 sensors of any type with appropriate analogue outputs and relays. Equipped with multiple PID channels and practically infinite datalogging as standard, CRATOS is very able to control complex water treatment processes at a fraction of the cost of other controllers. Customers requiring fewer sensors or a no-frills controller should consider the CRATOS or CRIUS® controllers.

#### CRONOS® CRIUS® 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			

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## Dimensions



## Specification

### CRATOS

#### Power Requirements

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

#### Languages

Any by request

#### Inputs

Up to 12 configuration analogue inputs; 4-20mA, 4-20mA loop-powered, 0-10 VDC, +/- 2000 mV for pH or ISEs, PT100

8 digital inputs for signals or pulse counting

RS-485 Modbus ASCII/RTU

#### Outputs

Up to 12 configurable analogue outputs; 4-20mA, 0-10 VDC, 0-1.25 VDC max 750 ohms impedance

Up to 16 SPST electromechanical relays rated 380 VAC, 8 A max or

Up to 16 SPST solid state relays rated 3-26 VDC, 3 A max or

Up to 12 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

323 x 237 x 173

#### Display

¼ VGA colour 5.7" touch screen display

#### 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)

