



Water Quality Analysers



CRONOS - Controller, Transmitter, Analyzer *everything you need, and nothing you don't*



CRONOS + 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)
- ORP Analyser (ORPSense)
- External inputs
- Choose from Standard Configurations or 'Build Your Own'

High Quality-Low Cost

Part of a range of controllers, the CRONOS is the little brother of the CRIUS® and the CRATOS. The CRONOS is a high quality, low cost transmitter designed to give water treatment engineers everything that they need from a transmitter and nothing that they don't. With no frills, costs can be kept to a minimum while optional comms packages allow Profibus, Modbus ASCII, Modbus RTU, Modbus TCP, HART and others.

CRONOS is equipped with the capability to control up to three sensors of any type with appropriate analogue outputs and relays. Equipped with optional PID control, CRONOS is very able to control complex water treatment processes at a fraction of the cost of other controllers.

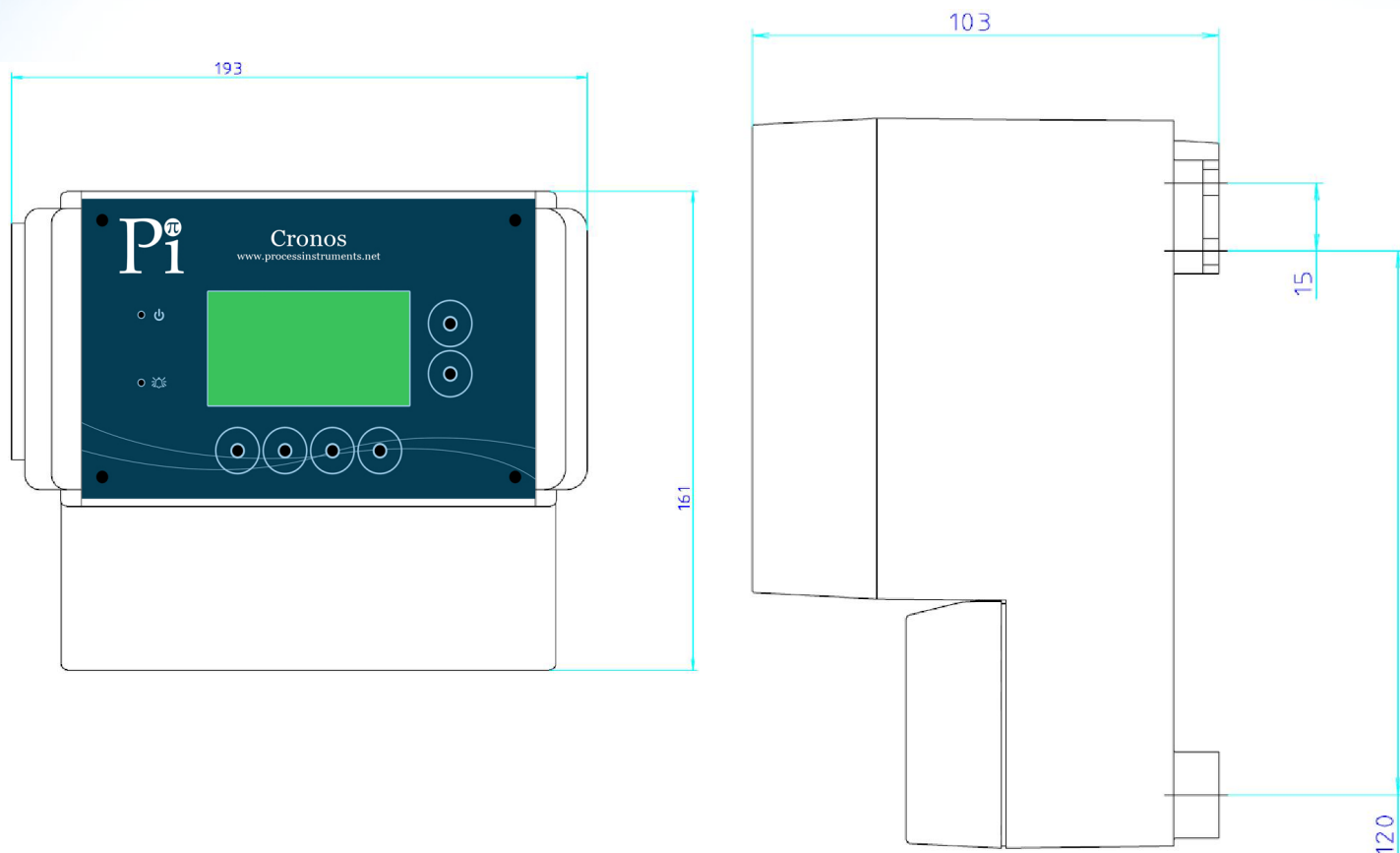
Customers requiring additional functionality such as datalogging, on-screen graphical reporting, or remote access via the internet should consider CRIUS® or CRATOS controllers.

CRONOS CRIUS® CRATOS

High quality sensors			
Multilingual			
Set up wizard			
System logger			
Datalogger			
Event logger			
PID controls	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		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			

find us at www.processinstruments.net

Dimensions



Specification

CRONOS

Power Requirements

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

Languages

Any by request

Inputs

Up to 3 configuration analogue inputs; 4-20mA, 4-20mA loop-powered, 0-10 VDC, +/- 2000 mV for pH or ISEs, PT100
2 digital inputs for signals or pulse counting
RS-485 Modbus ASCII/RTU

Outputs

Up to 3 configurable analogue outputs; 4-20mA, 0-10 VDC, 0-1.25 VDC max 750 ohms impedance
Up to 4 SPST electromechanical relays rated 380 VAC, 8 A max or
Up to 4 SPST solid state relays rated 3-26 VDC, 3 A max or
Up to 2 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

193 x 161 x 103 mm

Display

Monochrome with RGB backlight

Weight

0.8kg

Warranty

12 months from date of purchase

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find your local supplier at www.processinstruments.net

