CRONOS® + Sensors = Product Name

Free/Total Chlorine Analyser	*HaloSense*
Chlorine Dioxide Analyser	*DioSense*
Ozone Monitor	*OzoSense*
Dissolved Oxygen Meter	*OxySense*
Suspended Solids Monitor	*SoliSense®*
Streaming Current Monitor	*StreamerSense*
pH Analyser	*pHSense*
ORP Analyser	*ORPSense*
Organics Monitor	*UV254Sense*
Online Conductivity Monitor	*ConductiSense*
Particle Counter	*CounterSense*
Filter Monitor (Particle Counter)	*FilterSense*
Turbidity Meter	*TurbSense®*
Fluoride Monitor	*FluoriSense*
Peracetic Acid Analyser	*PeraSense*
Hydrogen Peroxide Analyser	*PeroxiSense*

Each 'Sense' analyser has its own brochure, detailing applications and common accessories. Please visit the website to access all Pi's product brochures.

High Quality-Low Cost

Part of a range of controllers, the CRONOS® is the little brother of the CRIUS®4.0. 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.

Superior Communications

With no frills, costs can be kept to a minimum whilst optional comms packages allow Profibus, Modbus ASCII, Modbus RTU, Modbus TCP, 4-20mA analogue outputs, and relays for alarms and control.

PID Control Options

CRONOS® has the capability to control up to two 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.

Proactive Sensor Maintenance

For each sensor the CRONOS® will prompt users through calibration procedures and will remind them when maintenance is due for each sensor type.

Customers requiring additional functionality such as a colour display, downloadable data logs, or remote access via the internet should consider a CRIUS®4.0 controller.

|	CRONOS®	CRIUS®4.0
Highest quality sensors	●	●
Multilingual	●	●
System logger	●	●
On display trending	●	●
Event logger	●	●
Download logs	Optional	●
PID controls	Optional	Optional
Up to 2 sensors	●	●
Up to 4 sensors		●
Expandable up to 16 sensors		Optional
Analogue outputs V and mA	●	●
Isolated universal inputs & outputs	●	●
Large high resolution display	●	●
Colour display	Optional	●
Up to 8 relays	●	●
Expandable up to 32 relays		Optional
Up to 8 digital inputs	●	●
Expandable up to 32 digital inputs		Optional
Remote internet access		Optional
GSM/GPRS/3G integrated modem		Optional
Remote Access LAN		Optional
Profibus	Optional	Optional
Modbus ASCII/RTU serial	Optional	Optional
Modbus TCP (LAN enabled)	Optional	Optional
AC (110-240VAC)	●	●
DC (9-36VDC)	Optional	Optional
Wall and Panel mountable	●	●
Pole and handrail mountable	●	●
IP65/Nema 4X enclosure	●	●
Fire retardant ABS Enclosure	●	●

Dimensions
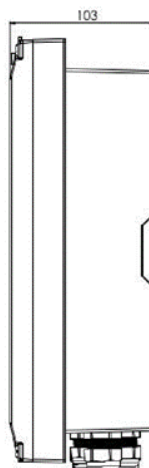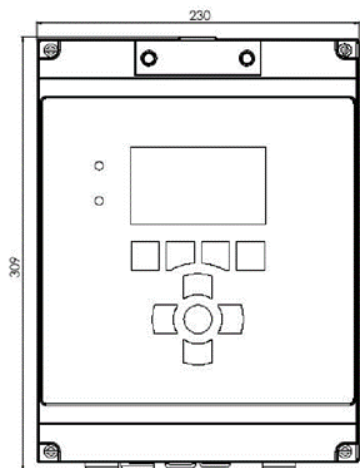
Mounting Options
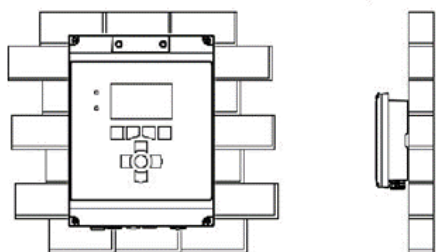
Wall	Pole
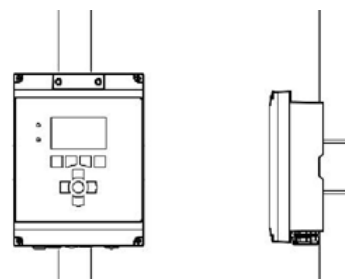
Handrail	Panel

Specification*

All subject to change without notice
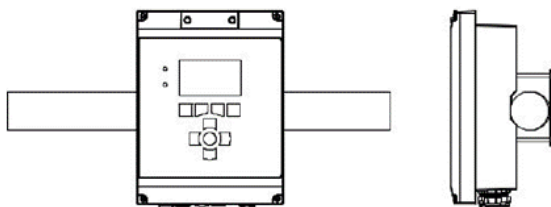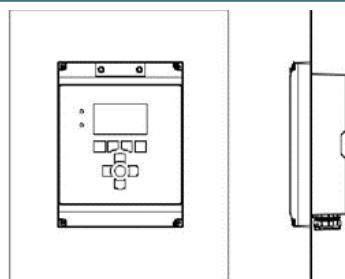
CRONOS®

Power Requirements	100-240 VAC/0.25 A 9-36VDC (optional)
Languages	Any non pictogram by request Any Latin, Cyrillic, Hellenic
Inputs	Up to 2 configurable sensor inputs; 4-20mA, 4-20mA loop-powered, 0-2 VDC, +/- 1200 mV for pH, ORP, or ISEs, PT100, pulse and Modbus. Unused inputs can be used as outputs. Up to 8 digital inputs
Outputs	Up to 2 dedicated configurable analogue outputs; 0-20mA, 4-20mA, 0-1 VDC, 0-10 VDC, 1-10 VDC. Up to 8 SPST electromechanical relays rated 10A at 250 VAC and 5A at 30 VDC.
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
Communication (Optional)	Modbus ASCII/RTU (RS485) Profibus DP Modbus TCP (Ethernet)
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", 480x272, 8 bit, greyscale (4.3", 480 x 272, 24 bit colour optional)
Weight	2 Kg
Warranty	12 months from date of purchase (optional additional warranty available)
Data Logging	Internal - Single parameter, downloadable data logs or status message logs over 1 million records