

## ChlordioXense

### New - Unique Sensor Technology

The new ChlordioXense builds on the success of the ChloroSense and uses similar sensor technology to measure chlorine dioxide.

The Palintest ChlordioXense is a precision instrument that offers a simple, rapid, reagent-free method of analysing water for chlorine dioxide, removing almost all sources of technique dependence.

### Features

- Simple and easy to use
- Avoids issues that occur with colorimetric methods
- Wide test range, accurate from 0.02 - 50 mg/l
- Temperature sample up to 40°C

### Technical Specifications

<b>Instrument Type</b>	Fixed voltage potentiostat
<b>Display</b>	Backlit, graphical LCD (42 x 22 mm), with options and direct-reading of results in mg/l
<b>User Selectable Options</b>	Set time and date, date format, display, reset sample number and temperature units
<b>Data Logging</b>	Stores 500 previous readings and offers prompts when almost full
<b>Interface</b>	Waterproof USB connection to PC
<b>Power</b>	4 x 1.5v 'AA' alkaline batteries. Battery power saving system with auto switch-off after 5 minutes. Powered via USB port when connected to computer
<b>Size</b>	Instrument only 170 x 126 x 116 mm
<b>Weight</b>	975g



### Kit Contents

- Instrument
- Instructions
- Soft carry case
- Interference Suppressant
- 100 Sensors
- Cleaning Sticks

### Ordering Information

**CS300** - ChlordioXense Instrument with Pack of 100 Sensors

**CS310** - Pack of 100 Replacement ChlordioXense Sensors

**CS350** - Pack of 500 Replacement ChlordioXense Sensors

**CS190** - Chlordiox Check Standards Kit

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## System Performance Characteristics

	Chlorine Dioxide	Temperature
Analysis Time	< 1 minute	< 1 minute
Precision Range	0.02 – 50 mg/l	0 – 100°C
Resolution	0.01 up to 10 mg/ 0.1 mg/l thereafter	0.1°C
Precision @ 12°C	≤5% CV @ 1.00	0.5°C
Limit of Detection	0.02mg/l	N/A



## Applications

### Drinking Water



### Food Processing



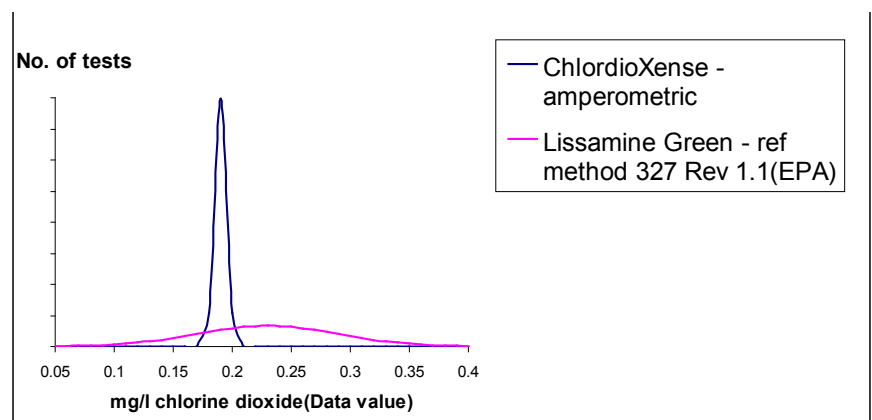
### Building Services

### Paper Mills

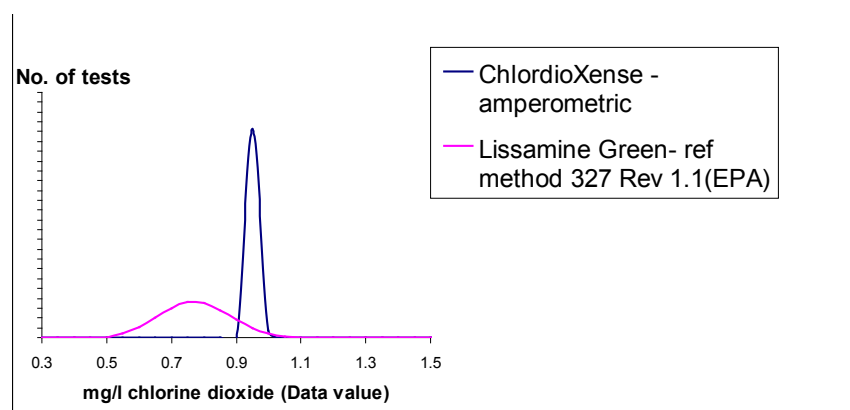
**TIO - Organic Root Crop Specialists**  
**Sophie Hogg**  
**(Technical Manager)**

“Palintest were able to offer us the ChlordioXense to trial and we have been delighted with it. The unit is so quick and easy to use no matter how cloudy the sample.”

## Probability Distribution of Chlorine Dioxide results (at 0.20 mg/l) with differing methods



## Probability Density of Chlorine Dioxide results (at 0.99 mg/l) with differing methods



**Scotmas - Chemical Dosing Systems Manufacturer**  
**Alistair Cameron (Technical Director)**

“The main advantage we see is with ease of use. Results are easy to obtain, consistent and accurate. The days of getting a different result from a different DPD meter due to scratched vials and debris in the water are over!”