Palintest
Water Analysis Technologies

Who we are

Palintest manufactures a range of advanced water and environmental testing equipment, and from its Tyneside base exports to over 100 countries across the globe. These products are used in a wide variety of applications to protect the environment and safeguard public health. Crucially Palintest are able to simplify testing for key water quality parameters, enabling critical water quality decisions to be made with confidence.

Part of the successful Halma plc. since 1983, Palintest can trace its Tyneside roots back to the 1870s with the Wilkinson & Simpson Ltd. manufacturing facility in Newcastle. The defining moment in the development of the modern day Palintest was during the 1950s when Dr Thomas Palin produced the world standard method for disinfection control, the so-called Palin System or DPD method.

Palintest today employs 100 people worldwide, with 86 being based at the main facility in Gateshead where all product development and manufacturing is carried out. To support export activities the company has branch offices in China, Australia, USA and the Middle East.

Principle company activities are:

Research, Development and Innovation

Since the invention of the DPD test for drinking water, Palintest has continued to innovate and deliver testing products that meet the needs of our users in terms of simplicity and reliability.

Manufacturing

A focus on lean manufacture and intense quality control to provide the shortest lead times for our customers. Products are tracked from raw material to final quality for full audit trail for every single test.

Logistics

Shipping to all corners of the globe with tracked deliveries and provision of international trade documentation such as Certificates of Origin.

After-Sales Support

We are dedicated to delivering the highest levels of customer support so please do not hesitate to contact us or our local partners for assistance.

A HALMA COMPANY

The Power of Sensor Technology

Sensor technology offers significant advantages compared to alternative techniques for disinfection control and heavy metals determination.

Key benefits of senor technology:

Simple test method – fill the sample container, insert the sensor and close the lid is often all that is required.

Repeatable and accurate results – simple measurement techniques coupled with state-of-the-art electronic instruments ensure even the lowest concentrations can be determined with confidence.

Suitable for even the most difficult samples – the sensor technique is not affected by solids or sample colour

Palintest Sensor Technology is provided for both field and laboratory analysis. Each instrument is supported with a full range of consumables and technical support via our international network of branches and distributors. self-diagnostic functionality and automatic selection and performance of test methods.

CONCENTRATION 3
CONCENTRATION 3
CONCENTRATION 3

CURRENT

VOLTAGE

E2

E1

0

TIME
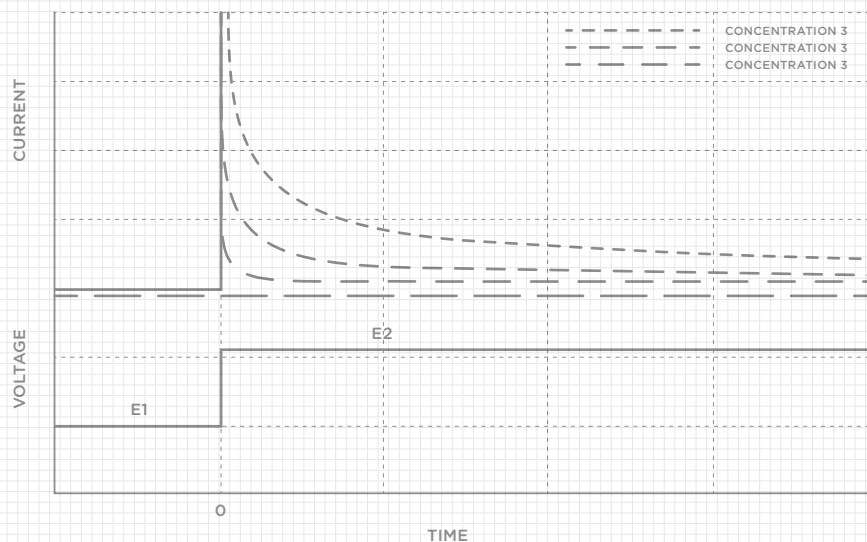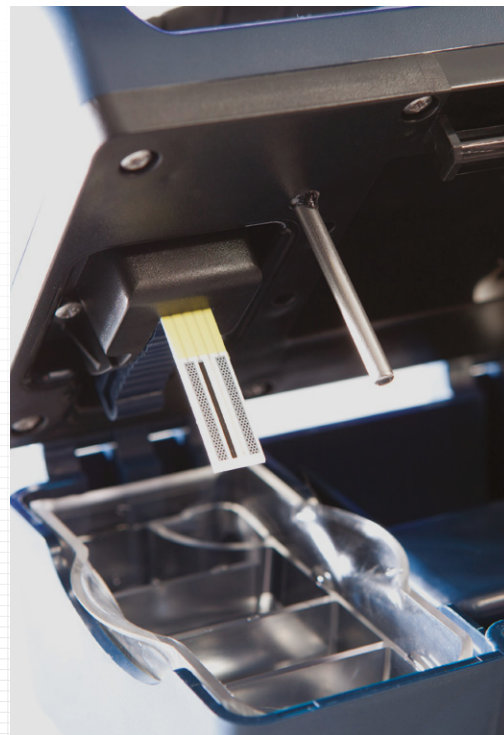
ChlordioX™ Plus

The ChlordioX™ Plus offers unique sequential sensor technology for determining Chlorine Dioxide, Chlorite and Free Chlorine.

Measuring Chlorite is a regulatory requirement when using Chlorine Dioxide as a drinking water disinfectant and the ChlordioX Plus has been designed to provide full analysis and control for all samples including solutions containing Free Chlorine.

The key features include:

Simple sequential method without reagent or sample preparation – ideal for all users

Electrochemical measuring technique – no interference from sample colour or solids

Superb performance – report results with confidence.

Whether measuring drinking water production or quality, cooling tower applications or produce washing the ChlordioX Plus delivers the critical information needed for compliance and control.

Contents

ChlordioX Plus instrument, USB cable, de-gasser assembly and battery operated pump, batteries, 200 CDX sensors including calibration chip, 100 CS sensors including calibration chip, glycine solution, CR-1 reagent, CR-2 reagent, sample bottle, stirring rods, Check Standards, and instructions

CS 400 ChlordioX™ Plus Kit
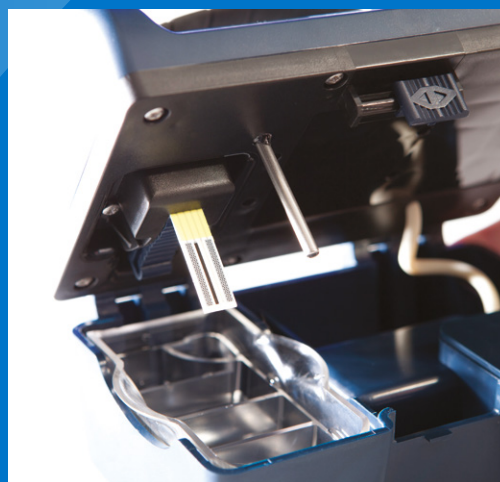
Technical Specifications

Measuring System	Amperometry
Ranges	0 – 50 mg/l Chlorine Dioxide 0 – 10 mg/l Free Chlorine 0 – 50 mg/l Chlorite
Display	High clarity LCD with backlight
User Interface	English, French, Spanish, German and Italian language options
Connectivity	Waterproof USB port
Data Storage	500 results including date, time, test ID and sample ID
Size (W x L x H)	170 x 126 x 116mm
Weight	975 g (including batteries)
Power Supply	4 x AA batteries

ChloroSense®

The simplest, portable method for accurate measurement of Free and Total Chlorine - now with USEPA approval.

The revolutionary ChloroSense® boasts unique sensor technology - developed specifically for measuring free and total chlorine. Designed for field analysis, the instrument is portable, waterproof and battery powered.

The key features include:

Simple and rapid measurement process – fill the sample vessel, insert the sensor then close the lid - in less than one minute results for free and total chlorine are available

No reagents and no glassware – ideal for food processing applications

Waterproof USB connection – for instrument settings, software update and data download of results log.

Supplied in an ergonomic shoulder case containing all necessary components for field analysis, the ChloroSense® is designed for all skill levels and is supported by the full range of Palintest application advice and technical support.

Contents

ChloroSense instrument, USB cable, 100 CS sensors including calibration chip, sample bottle, Check Standards, and instructions. Supplied in a protective shoulder case.	CS 100 ChloroSense® Kit

Technical Specifications

Measuring System	Amperometry
Ranges	0 – 10 mg/l Free Chlorine 0 – 100 mg/l Total Chlorine
Display	High clarity LCD with backlight
User Interface	English, French, Spanish, German and Italian language options
Connectivity	Waterproof USB port
Data Storage	500 results including date, time, test ID and sample ID
Size (W x L x H)	170 x 126 x 116mm
Weight	975 g (including batteries)
Power Supply	4 x AA batteries

ChlordioXense

Measure chlorine dioxide with optimal precision and accuracy in drinking water, institutional hygiene, cooling tower and food manufacturing applications.

Chlorine dioxide has a number of advantages as a disinfectant but measurement methods in the field can be difficult to carry out repeatably. The ChlordioXense uses unique disposable sensor technology to remove operator dependence and deliver accurate chlorine dioxide results.

The key features include:

Simple test procedure – fill the sample vessel, insert the sensor and close the lid

Results available in less than one minute – no lengthy measurement times

Waterproof USB connection – download data without any additional software and upload software updates

Supported with a full range of calibration check standards and technical advice, the ChlordioXense is an integral part of any chlorine dioxide control programme.

Contents

ChlordioXense instrument, USB cable, 100 CDX sensors including calibration chip, glycine solution, sample bottle, stirring rods, Check Standards, and instructions. Supplied in a protective shoulder case.	CS 300 ChlordioXense Kit

Technical Specifications

Measuring System	Amperometry
Range	0 – 50 mg/l Chlorine Dioxide
Display	High clarity LCD with backlight
User Interface	English, French, Spanish, German and Italian language options
Connectivity	Waterproof USB port
Data Storage	500 results including date, time, test ID and sample ID
Size (W x L x H)	170 x 126 x 116mm
Weight	975 g (including batteries)
Power Supply	4 x AA batteries

SA1100 Scanning Analyzer

The SA1100 Scanning Analyzer delivers USEPA-approved field measurement of lead and copper in a robust, portable instrument featuring unique disposal sensor technology.

Using the principle of voltammetry, the SA1100 Scanning Analyzer can accurately determine concentrations of lead and copper in a wide range of sample types.

The key features include:

Simple test protocol – fill the sample container, add the buffer tablet, insert the sensor and close the lid

Accurate and sensitive – with a lower limit of detection of 2 ppb of lead or 50 ppb of copper, the SA1100 can detect the smallest heavy metal contamination

Waterproof and battery powered field instrument – supplied in a shoulder case with all accessories required for immediate testing

The SA1100 Scanning Analyzer has a waterproof USB port for instrument set-up and data download of the result memory. USEPA-approved, field analysis for lead and copper has never been so simple.

Contents

SA1100 Scanning Analyzer instrument, sensor pack (PT 435), Check Standard (CS 640), calibration chip, instructions	PT 430 SA1100 Water Testing Kit for Lead
SA1100 Scanning Analyzer instrument, sensor pack (PT 436), Check Standard (CS 640), calibration chip, instructions	PT 431 SA1100 Water Testing Kit for Copper

Technical Specifications

Measuring System	Voltammetry
Ranges	2 – 100 µg/l Lead 50 – 2000 µg/l Copper
Display	High clarity LCD with backlight
User Interface	English, French, Spanish, German and Italian language options
Connectivity	Waterproof USB port
Data Storage	500 results including date, time and sample ID
Size (W x L x H)	170 x 126 x 116mm
Weight	975 g (including batteries)
Power Supply	4 x AA batteries

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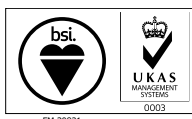Tel: +86 10 6588 6200
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