

Kemio Technology

 **SMARTER**  **SAFER**  **TRACEABLE**

The next generation measurement platform

A sophisticated electrochemical technique, which removes complexity for the user. Using our patented single-use sensor technology, reduce user errors and deliver quality results that you can trust.



Get consistent results from all your operators. Kemio minimises user input, to ensure **repeatable and reliable results** each time.

Kemio is **suitable for all users**, ready straight out of the box, with **no training required**. Helping to **improve operational efficiency**, by reducing labour time and minimizing disruption.

Go paperless, **protect your data** and meet your **compliance requirements**. The integrated data log summarises 10,000 results to provide a traceable, auditable dataset.

Kemio is **personalised to your testing needs**, add your unique test and application information to give meaning to your results.

Kemio delivers the results you need from a method you can trust.

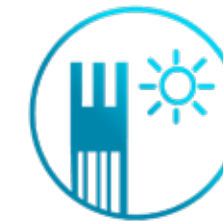
Advantages over other methods



A clear pass/fail result.
No calculations required



Digital data log,
ideal for audits



Electronic measurement,
not affected by ambient light quality



No glassware



Not affected by colour in the sample

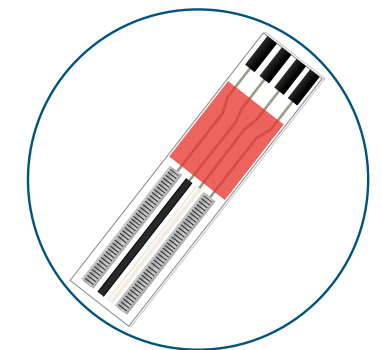


Not affected by turbidity or floating particles

How it works

Kemio is powered by patented, single-use sensors which generate an electrical current by reacting to the chemicals in the water sample. Kemio measures this electrical signal to determine the concentration of chemical within the sample.

The simple test method minimizes potential user errors to ensure repeatable and reliable results.



Technical Specification

Measuring System	Chronoamperometry
Ambient Temperature Range	0° C - 50° C
Display	High clarity LCD screen
Language	English, French, Spanish, and Chinese (Simplified)
Connectivity	USB
Information Input	Barcode scanner, on-screen keyboard, on-screen keypad
Data Storage	10,000 test results with all test information
Size (W x L x H) & Weight	156 mm x 180 mm x 95 mm, 1012g
Battery	2300mAh NiMH Rechargeable Battery Pack <i>Only battery packs supplied by Palintest can be used with Kemio</i>
Power Supply	USB power and external charger
Rating	IP67 waterproof

Kemio Disinfection

Expert testing for critical disinfection parameters

Fully traceable results

Avoid processing errors with manual recording. Kemio logs all test results for complete traceability.

Simple test with no training required

Suitable for all users, with clear visual instructions for performing a test

Prompt action and reduce uncertainty

Results display as pass or fail based on your specification, encouraging corrective action

Suitable for all sample types

Not affected by coloured or turbid samples

Personalised to your testing needs

Add your own test limits and information to drive corrective action and give meaning to your results



New sensors added



Single use disposable sensor



USB data transfer

Testing for	Range	Temperature
Chlorine	Standard range 0.02 - 10 mg/L free chlorine 0.02 - 75 mg/L total chlorine	2°C - 35°C 2°C - 35°C
	High range 0.1 - 25 mg/L free chlorine 1 - 500 mg/L total chlorine	5°C - 25°C 5°C - 30°C
Chlorine Dioxide	0.02 - 50 mg/L	5°C - 40°C
Chlorite	0.02 - 50 mg/L	5°C - 40°C
Peracetic Acid (PAA)	Standard range 5 - 2000 mg/L	5°C - 30°C
	Low range 0.02 - 50 mg/L	5°C - 30°C

Accessories	Part Code
Kemio Check Standards	KEMC10
Kemio Stylus Pen	KEM306
Kemio Protective Case	KEM307
Kemio Sample Vessel	KEM308

Consumables	Part Code
CR-1 Reagent (Chlorite test)	PT546
CR-2 Reagent (Chlorite test)	PT547
Glycine Reagent (Chlorine Dioxide and Chlorite test)	PT549

Kitting Options

Instrument

Kemio
Disinfection



Test Type:
Chlorine
Chlorine Dioxide
Chlorite
Peracetic Acid (PAA)

Case



Benchtop Kit

Instrument, check standards, USB cable, international power adapter, quick start instructions in a recycleable cardboard container for benchtop applications.

Part Code: KEMRIODIS



Soft Case Kit

Instrument, protective case, check standards, USB cable, international power adapter, quick start instructions in soft case for transporting Kemio and consumables.

Part Code: KEMSIODIS

*Sensors ordered separately for benchtop and soft case kit



Chlorite Hard Case Kit

Instrument, check standards, USB cable, international power adapter, quick start instructions, 200 chlorine dioxide/chlorite sensors, 100 chlorine sensors, reagents, degassing equipment and consumables required for chlorite measurement, including vessel, filter and pump.

Part Code: KEMHIODIS

*Required for Chlorite testing

Kemio Sensors Ordering Information

Kemio sensor packs	Range	Part Code
Kemio Sensors for Chlorine (Standard Range)	Free Chlorine: 0.02 - 10 mg/L Total Chlorine: 0.02 - 75 mg/L	100 pack: KEM21CLO 500 pack: KEM25CLO
Kemio Sensors for Chlorine (High Range)	Free Chlorine: 0.1 - 25 mg/L Total Chlorine: 1 - 500 mg/L	100 pack: KEM21CHR 500 pack: KEM25CHR
Kemio Sensors for Chlorine Dioxide and Chlorite	Chlorine Dioxide: 0.02 - 50 mg/L Chlorite: 0.02 - 50 mg/L	100 pack: KEM21CDX 500 pack: KEM25CDX
Kemio Sensors for Peracetic Acid (Standard Range)	Peracetic Acid: 5 - 2000 mg/L	100 pack: KEM21PAA 500 pack: KEM25PAA
Kemio Sensors for Peracetic Acid (Low Range)	Peracetic Acid: 0.02 - 50 mg/L	100 pack: KEM21PAL 500 pack: KEM25PAL