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

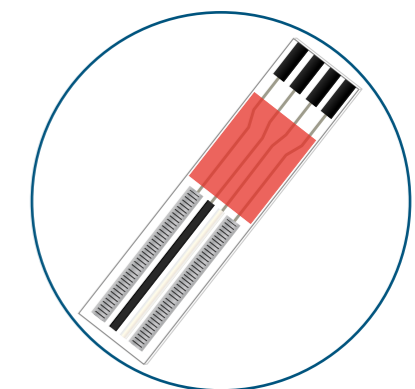No glassware

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.

Kemio Disinfection

Expert testing for critical disinfection parameters

No training required
Suitable for all users, with clear visual instructions for performing a test

Reduce uncertainty
Act on clear pass/fail results based on your specification

Suitable for all sample types
Not affected by coloured or turbid samples

Fully traceable results
Go paperless and manage up to 10,000 data sets

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

x1 use
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)		5 – 2000 mg/L	5°C – 30°C

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 *Only battery packs supplied by Palintest can be used with Kemio*
Power Supply	USB power and external charger
Rating	IP67 waterproof

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: KEMR10DIS

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: KEMS10DIS
*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: KEMH10DIS
*Required for Chlorite testing

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 chlorite	100 pack: KEM21CDX 500 pack: KEM25CDX
Kemio Sensors for Peracetic Acid (PAA)	Peracetic Acid (PAA): 5 – 2000 mg/L	100 pack: KEM21PAA 500 pack: KEM25PAA

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