

# Kemio

A Palintest Product

The next  
generation  
measurement  
platform

# What is **Kemio**?



Kemio is the next generation measurement platform.



A sophisticated electrochemical technique which removes complexity for the user.



Patented single-use sensor technology.



Reduce user errors and deliver quality results than you can trust.



SMARTER



SAFER



TRACEABLE

**Kemio gives you reliable results in 60 seconds**

**No training required**

- Clear visual instructions for the simple test method

**Reduce uncertainty**

- Act on clear pass/fail results based on your specification

**Suitable for all sample types**

- Not affected by coloured or turbid samples

# Kemio Disinfection

The next generation measurement platform



## DISINFECTION PARAMETERS



Chlorine



Chlorine Dioxide



Chlorite



Peracetic Acid (PAA)

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



Scan the sensor.



Insert the sensor.



Fill the vessel with sample.



Close the lid. The measurement begins automatically.

## How does it work?

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

# Why choose KEMIO technology?

## Repeatable, reliable results

KEMIO reduces complexity and subjectivity for the user, minimizing chances for error, and delivering repeatable results for any operator.

## Multiparameter testing platform

KEMIO can test for free chlorine, total chlorine, chlorine dioxide, chlorite and peracetic acid (PAA), with new sensors added to the same device. KEMIO also allows for simultaneous measurement of free and total chlorine.

## Fully traceable results

KEMIO automatically stores up to 10000 results to provide a traceable, auditable dataset; removing chance for admin errors with manual data logging.

## Personalized to your testing needs

Give meaning to your test results with application specific information, and set test limits to give clear direction for the user.

## Advantages over other methods



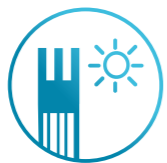
Clear pass/fail results. No calculations required.



Digital data log, ideal for audits.



No glassware.



Electronic measurement not affected by ambient light.



Not affected by colour.



Not affected by turbidity or floating particles.

## Benefits of KEMIO technology

- Build confidence and avoid non-conformances with reliable results every time
- Reduce labour costs with fast, simple testing. Suitable for all users with no training required
- Save time and resource with paperless records. Simplify your audits by improving your record keeping
- Reduce process time and laboratory testing by performing disinfection validation at the point of use
- Protect your data with an objective test method and encrypted data transfer

# Kitting Options

## Instrument

**Kemio**  
Disinfection



Test Type:  
Free chlorine  
Total chlorine  
Chlorine dioxide  
Chlorite  
Peracetic Acid (PAA)

## Kit



### Benchtop kit

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

\*Sensors ordered separately for benchtop kit

Part Code: KEMRIODIS



### Soft case kit

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

\*Sensors ordered separately for soft case kit

Part Code: KEMSIODIS



### Chlorite kit

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

\*Chlorite kit required for chlorite testing

Part Code: KEMHIODIS

# Kemio sensors and accessories

Kemio sensor packs	Range	Part code
Chlorine	Free chlorine: 0.02 - 10 mg/L Total chlorine: 0.02 - 75 mg/L	100 pack: KEM21CLO 500 pack: KEM25CLO
Chlorine high range	Free chlorine: 0.1 - 25 mg/L Total chlorine: 1 - 500 mg/L	100 pack: KEM21CHR 500 pack: KEM25CHR
Chlorine dioxide and chlorite	Chlorine dioxide: 0.02 - 50 mg/L Chlorite: 0.02 - 50 mg/L	Starter pack (100 sensors and glycine reagent): KEM20CDX 100 pack: KEM20CDX 500 pack: KEM25CDX
Peracetic acid (PAA)	Peracetic acid: 5 - 2000 mg/L	100 pack: KEM21PAA 500 pack: KEM25PAA
Peracetic acid (PAA) low range	Peracetic acid: 0.02 - 50 mg/L	100 pack: KEM21PAL 500 pack: KEM25PAL
Consumables		Part Code
CR-1 Reagent (chlorite test)		PT546
CR-2 Reagent (chlorite test)		PT547
Glycine reagent (chlorine dioxide and chlorite tests)		PT549
Accessories		Part Code
Kemio check standards		KEMC10
Stylus		KEM306
Protective case		KEM307
Replacement test vessel		KEM308



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## Palintest

A **Halma** company