

Kemio™ Disinfection

Accurate testing for critical disinfection parameters

Results in 60 seconds

A user-friendly test method, Kemio™ Disinfection makes light work of disinfection monitoring. Kemio™ Disinfection delivers reliable results within minutes at the point of use and what's more no training is required, as on-screen visual instructions guide users through the test.

Guaranteed Accuracy

Kemio™ Disinfection can be used with all water samples including those which are coloured, turbid, and those with floating particles.



Testing for

Bromine, Chlorine, Chlorine Dioxide, Chlorite and Peracetic Acid

Kemio™ Disinfection Soft Case Kit

Contains instrument, protective carry case, check standards, micro USB, international adaptor, stylus and quick start instructions.

Product code: KEMS10DIS.

Kemio™ Disinfection Hard Case Kit

Contains instrument, check standards, micro USB, international adaptor, stylus and quick start instructions. **Product code:** KEMH10DIS.

Kemio™ Disinfection Benchtop Kit

Contains instrument, check standards, micro USB, international adaptor and quick start instructions. **Product code:** KEMR10DIS.

Technical specifications

Tests	Range	Temperature
Bromine	0.2 - 10mg/L	5 - 30°C
Chlorine (free)	0.02 - 100 mg/L	2 - 35°C
Chlorine (total)	0.02 - 500 mg/L	2 - 35°C
Chlorine Dioxide	0.02 - 50 mg/L	5 - 40°C
Chlorite	0.02 - 50 mg/L	5 - 40°C
Peracetic Acid (PAA)	0.02 - 4000 mg/L	2 - 60°C

Measuring System	Chronoamperometry
Temperature Range	Ambient range: 0°C - 50°C
Display	High clarity LCD screen
User Interface	Touchscreen
Language Options	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

Kemio™ Heavy Metals

Expert testing for heavy metal contaminants

EPA approved method for lead testing

Protect against Lead, Copper, Arsenic and Cadmium contamination with Kemio™ Heavy Metals. The only portable EPA approved method for lead testing. The US Environmental Protection Agency (EPA) has approved Palintest Method 1001, Rev. 1.1. for the determination of total recoverable lead in drinking water using differential pulse anodic stripping voltammetry using pre-calibrated disposable sensors in a Palintest Kemio™ device.

Results in 3 minutes

Kemio™ Heavy Metals is lightweight and durable. In as little as three minutes, Kemio™ Heavy Metals provides a measurement in the field, allowing you to rapidly respond to contamination without the delays of laboratory test results.



Testing for Lead, Copper, Arsenic and Cadmium

Kemio™ Heavy Metals Soft Case Kit

Contains instrument, protective carry case, check standards, micro USB, international adaptor, stylus and quick start instructions. **Product code:** KEMS10HM.

Technical specifications

Tests	Range	Temperature
Lead	1 - 100 µg/L	5 - 35°C
Cadmium	0.2 - 10 µg/L	5 - 35°C
Copper	100 - 2000 µg/L	5 - 35°C
Arsenic	2 - 250 µg/L	5 - 35 °C

Measuring System	Anodic Stripping Voltammetry (ASV)
Temperature Range	Ambient range: 0°C - 50°C
Display	High clarity LCD screen
User Interface	Touchscreen
Language Options	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

Kemio™ Multi

An 'all in one' system

Combining the best in Kemio™ technology

Combining the capabilities of Kemio™ Heavy Metals with Kemio™ Disinfection. Kemio™ Multi is our next generation, multi-parameter measurement platform. It provides laboratory quality results, whether in the lab or in the field, allowing you to swiftly address and protect from water contamination.

Training Needs Minimised

Kemio™ Multi boasts the many benefits of our Kemio™ range including a user-friendly interface, digital data log, clear pass or fail results, electronic measurement and accurate results.



Testing for

Lead, Cadmium, Copper, Bromine, Chlorine, Chlorine Dioxide, Chlorite, Arsenic and Peracetic Acid

Kemio™ Multi Soft Case Kit

Contains instrument, 2 x sample vessels, protective carry case, check standards, micro USB, international adaptor, stylus and quick start instructions.

Product code: KEMS10MUL.

Technical specifications

Tests	Range	Temperature
Lead	1 - 100 µg/L	5 - 35°C
Cadmium	0.2 - 10 µg/L	5 - 35°C
Copper	100 - 2000 µg/L	5 - 35°C
Bromine	0.2 - 10mg/L	5 - 30°C
Chlorine (free)	0.02 - 100 mg/L	2 - 35°C
Chlorine (total)	0.02 - 500 mg/L	2 - 35°C
Chlorine Dioxide	0.02 - 50 mg/L	5 - 40°C
Chlorite	0.02 - 50 mg/L	5 - 40°C
Peracetic Acid (PAA)	0.02 - 4000 mg/L	2 - 60°C
Arsenic	2 - 250 µg/L	5 - 35 °C

Measuring System	Anodic Stripping Voltammetry (ASV) / Chronoamperometry
Temperature Range	Ambient range: 0°C - 50°C
Display	High clarity LCD screen
User Interface	Touchscreen
Language Options	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



Kemio

A Palintest Product

Order your
Kemio now

www.palintest.com/contact-us

Ordering information

Items in kit	Kemio™ Disinfection Benchtop Kit KEMR10DIS	Kemio™ Disinfection Soft Case Kit KEMS10DIS	Kemio™ Disinfection Hard Case Kit KEMH10DIS	Kemio™ Heavy Metals Soft Case KEMS10HM	Kemio™ Multi Soft Case Kit KEMS10MUL
Kemio™ Disinfection	●	●	●	●	●
Check Standards	●	●	●	●	●
Protective Case		●		●	●
USB Cable	●	●	●	●	●
International Power Adaptor	●	●	●	●	●
Kemio™ Sensors			●		
Soft Case		●		●	●
Hard Case			●		
Additional Information	Sensors ordered separately	Sensors ordered separately	Includes 200 Chlorine Dioxide/Chlorite sensors and 100 Chlorine sensors. *Kit required for Chlorite measurement.	Sensors ordered separately	Sensors ordered separately

Kemio™ Sensors

Kemio™ Sensors help you to understand your chemical concentration and to reduce the risks and costs associated with overdosing and underdosing.

Please note, both the Kemio™ Disinfection Sensors and Kemio™ Heavy Metal Sensors are suitable for Kemio™ Multi.



Consumables

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

Please see page 16 for more Kemio™ accessories.

Kemio™ Heavy Metal Sensors

	Range	Temperature	Part Code
Lead	1 - 100 µg/L	5 - 35°C	10 pack: KEM22MPB Includes tablets, crushing rods and disposable vessels
Cadmium	0.2 - 10 µg/L	5 - 35°C	10 pack: KEM22MCD Includes tablets, crushing rods and disposable vessels
Copper	100 - 2000 µg/L	5 - 35°C	KEM22MCU
Arsenic	2 - 250 µg/L	5 - 35 °C	Total Arsenic: KEM100M-TAS - Pack of 100 sensors. Speciated Arsenic (Arsenic III, Arsenic V, and Total Arsenic): KEM100M-SAS - Pack of 100 sensors (50 tests for total arsenic and 50 tests for arsenic (III)). Both packs include tablets, crushing rods, disposable vessels, 2x syringes and 2x pre-packed reusable cation exchange columns.

Kemio™ Disinfection Sensors

Free and Total Chlorine	Range	Temperature	Part Code
CLO	Free Chlorine: 0.02 - 10mg/L Total Chlorine: 0.02 - 75mg/L	2 - 35°C	100 pack: KEM21CLO 500 pack: KEM25CLO
CHR	Free Chlorine: 0.1 - 25mg/L Total Chlorine: 1 - 500mg/L	5 - 25°C 5 - 30°C	100 pack: KEM21CHR 500 pack: KEM25CHR
CLT	Free Chlorine: 0.1 - 25mg/L Total Chlorine: 1 - 500mg/L	2 - 15°C	100 pack: KEM21CLT 500 pack: KEM25CLT

Free Chlorine	Range	Temperature	Part Code
FHR	0.1 - 100mg/L	2 - 20°C	100 pack: KEM21FHR 500 pack: KEM25FHR

Other Disinfection Sensors	Range	Temperature	Part Code
Bromine	0.2 - 10mg/L	5 - 30°C	100 pack: KEM21BRS
Chlorine Dioxide and Chlorite	Chlorine Dioxide: 0.02 - 50mg/L Chlorite: 0.02 -50mg/L	5 - 40°C	Starter pack (100 sensors and glycine reagent): KEM20CDX 100 pack: KEM21CDX 500 pack: KEM25CDX
Peracetic Acid	5 - 2000mg/L	5 - 30°C	100 pack: KEM21PAA 500 pack: KEM25PAA
Peracetic Acid (low range)	0.02 - 10 mg/L	2 - 30°C	100 pack: KEM21PAL 500 pack: KEM25PAL
Peracetic Acid (high range)	400 - 4000mg/L	10 - 60°C	100 pack: KEM21PAH 500 pack: KEM25PAH