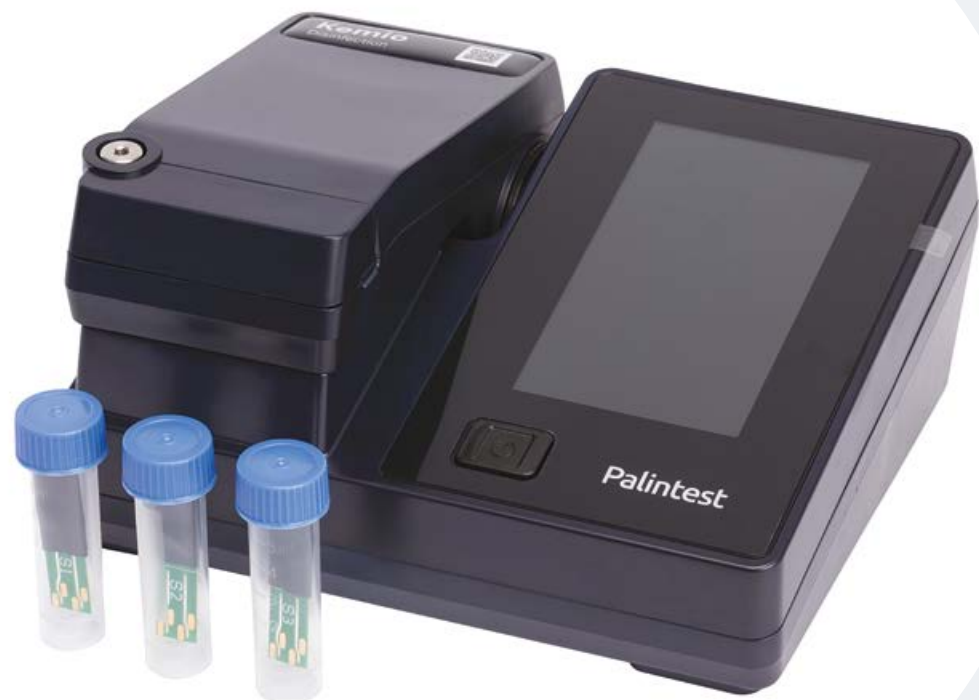






# ELECTROCHEMICAL METERS

An electrochemical meter is a device which uses a potentiostat to measure and analyse chemical parameters of target analytes through their electrochemical characteristics. Both electrochemical meters and sensor based solutions employ the use of electrodes to measure a specific parameter.



## ELECTROCHEMICAL METERS

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## KEMIO DISINFECTION

Kemio Disinfection is a robust portable water testing device which utilises electrochemical sensor technology for various disinfection parameters. Kemio Disinfection is widely adopted in drinking water and industrial applications and is typically used as a secondary application alongside online and inline chemical dosing systems to accurately verify disinfection levels at critical control points within a process.



### Cloud Connectivity

Convenient results logging via the instrument or Palintest Connect equips users with traceable and auditable data, essential for demonstrating compliance.



### Effortless Simplicity

The user-friendly interface features clear, easy-to-follow onscreen instructions, simplifying training and promoting seamless product adoption.



### Rugged Durability

Designed for portability, this lightweight digital test kit is glassware-free and the instrument is certified IP67 waterproof, making it ideal for testing in a range of challenging environments.



### Reliable Precision

This versatile solution is suitable for all sample types, including coloured, turbid, and particle-rich water, guaranteeing precise results even with cloudy or dirty samples.

COMPATIBLE WITH

**connect**  
By Palintest



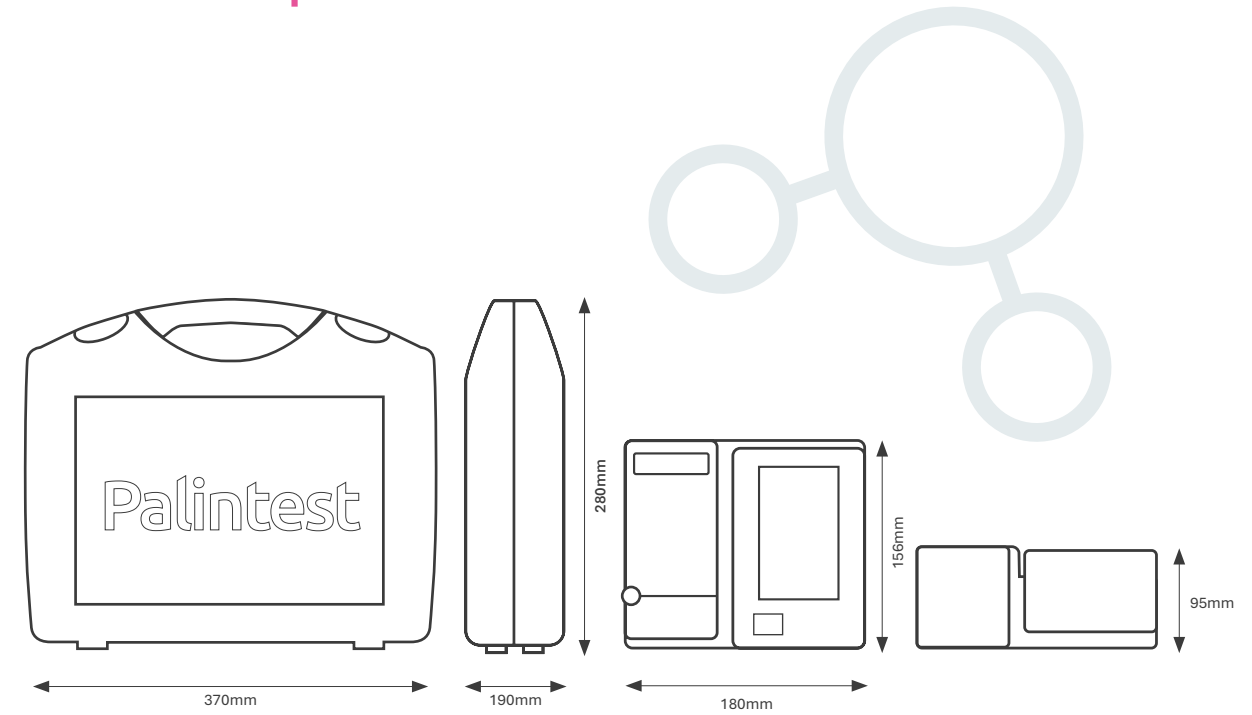
## Chlorite Hard Case – Kit Contents



### ORDERING INFORMATION PRODUCT CODE: KEMH15DIS

\*Includes 200 Chlorine Dioxide/Chlorite sensors and 100 Chlorine sensors.

## Technical Specification



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 C
Information Input	Barcode Scanner, on- screen keyboard/keypad
Data Storage	10,000 test results and information
Instrument Weight	1.012kg
Kit Weight	3.84kg
Battery	2399mAh NiMH Rechargeable Battery Pack
Power Supply	USB Power
Rating	IP67

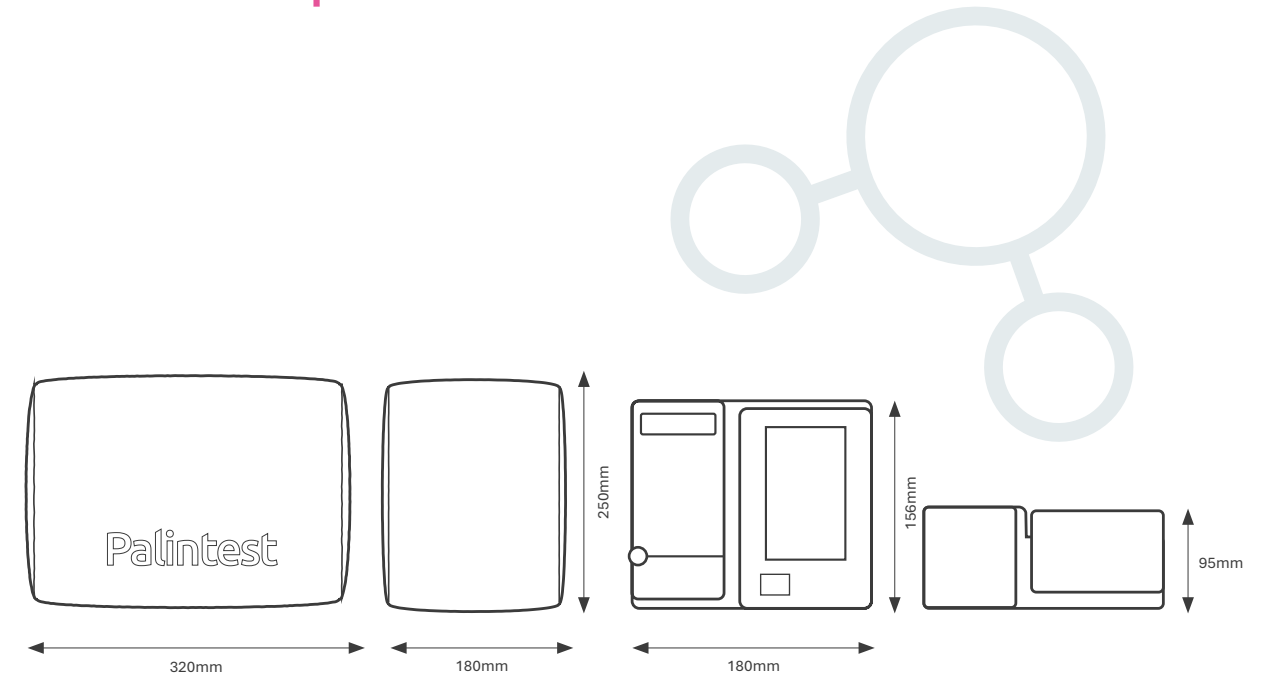
## Soft Case – Kit Contents



### ORDERING INFORMATION PRODUCT CODE: KEMS15DIS

Sensors ordered separately – see page 56 for order details.

## Technical Specification



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 C
Information Input	Barcode Scanner, on- screen keyboard/keypad
Data Storage	10,000 test results and information
Instrument Weight	1.012kg
Kit Weight	2.07kg
Battery	2399mAh NiMH Rechargeable Battery Pack
Power Supply	USB Power
Rating	IP67



## KEMIO HEAVY METALS

Kemio Heavy Metals is a lightweight and durable water analysis instrument which uses electrochemical sensor technology to detect various heavy metal contaminants in water samples. Kemio Heavy Metals is widely adopted in humanitarian water and drinking water applications where testing is required at source to determine contamination levels.



### Cloud Connectivity

Convenient results logging via the instrument or Connect equips users with traceable and auditable data, essential for demonstrating compliance.



### Effortless Simplicity

Results can be obtained in as little as three minutes, enabling a rapid response to potential contaminated water sources, ensuring timely intervention and mitigation.



### Rugged Durability

The kit is designed to be lightweight and durable, making it suitable for use in the most challenging or remote environments anywhere in the world.



### Trusted Reliability

Accurate and precise testing provides peace of mind and confidence in the reliability of results, eliminating the delays associated with laboratory test results and ensuring immediate decision-making.

COMPATIBLE WITH

**connect**  
By Palintest



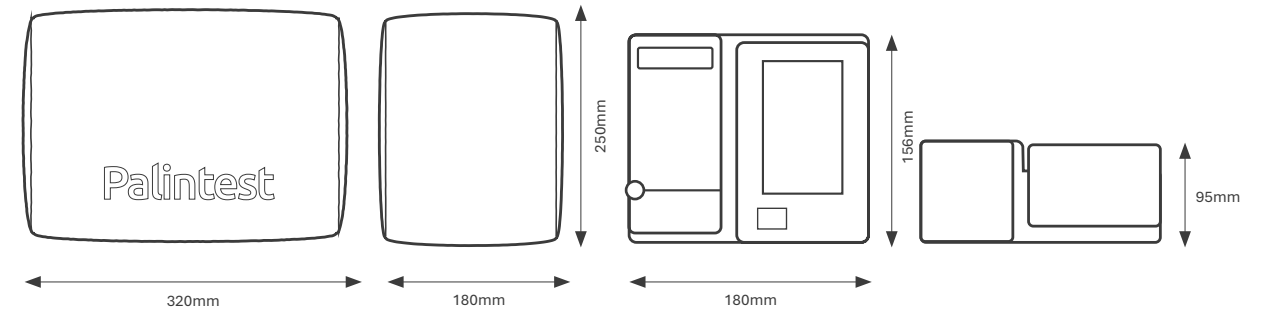
## Soft Case – Kit Contents



### ORDERING INFORMATION PRODUCT CODE: KEMS15HM

Sensors ordered separately – see page 56 for order details.

## Technical Specification



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 C
Information Input	Barcode Scanner, on- screen keyboard/keypad
Data Storage	10,000 test results and information
Instrument Weight	1.012kg
Kit Weight	2.07kg
Battery	2399mAh NiMH Rechargeable Battery Pack
Power Supply	USB Power
Rating	IP67



## KEMIO MULTI

The Kemio Multi is an advanced, portable water testing device that integrates the functionalities of Kemio Disinfection and Kemio Heavy Metals. Utilising electrochemical sensor technology, it measures various disinfection parameters and detects heavy metal contaminants in water samples. Widely adopted in drinking water, industrial, and humanitarian applications, Kemio Multi serves as a versatile tool for a range of applications.



### Effortless Simplicity

Comprehensive contaminant detection combining the capabilities of both Kemio Heavy Metals and Kemio Disinfection enabling testing across a wide range of key parameters without the need for multiple instruments.



### Cloud Connectivity

Convenient results logging via the instrument or Connect equips users with traceable and auditable data, essential for demonstrating compliance.



### Reliable Precision

Swift and precise results in 60 seconds for disinfection parameters and 3 minutes for heavy metals, facilitating rapid identification and response.



### Trusted Reliability

Accurate and precise testing provides peace of mind and confidence in the reliability of results, eliminating the delays associated with laboratory test results and ensuring immediate decision-making.

COMPATIBLE WITH

**connect**  
By Palintest



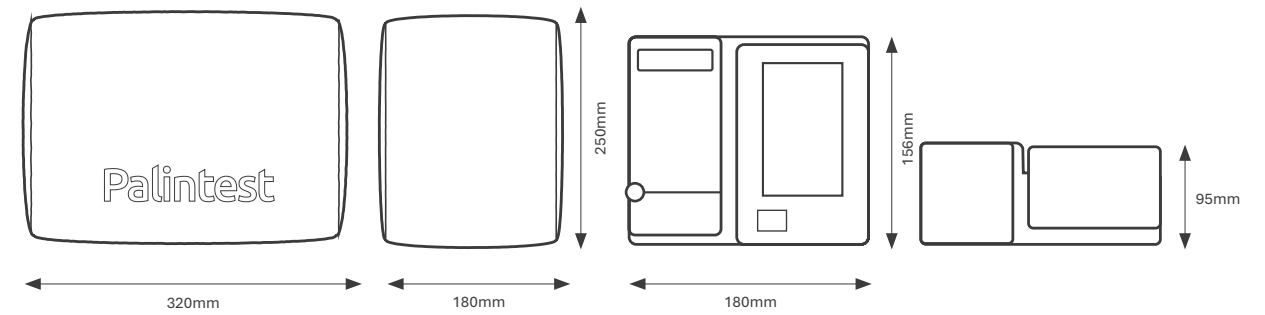
## Soft Case – Kit Contents



### ORDERING INFORMATION PRODUCT CODE: KEMS15MUL

Sensors ordered separately – see page 56 for order details.

## Technical Specification

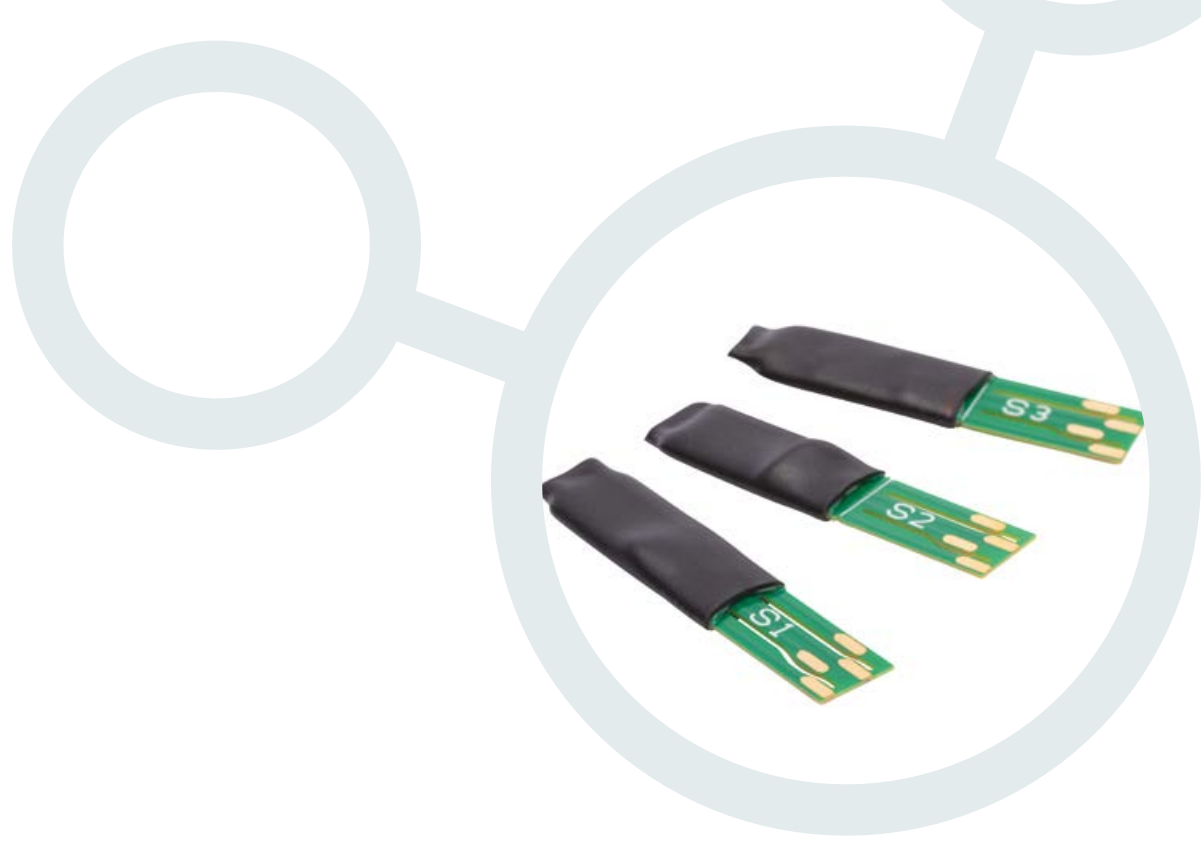


Measuring System	Anodic Stripping Voltammetry (ASV) and Chrono-amperometry
Temperature Range	Ambient range: 0 °C-50 °C
Display	Full colour TFT with projected capacitive touch
User Interface	Touchscreen
Language Options	English, French, Spanish and Chinese (Simplified)
Connectivity	USB C
Information Input	Barcode Scanner, on- screen keyboard/keypad
Data Storage	10,000 test results and information
Instrument Weight	1.012kg
Kit Weight	2.07kg
Battery	2399mAh NiMH Rechargeable Battery Pack
Power Supply	USB Power
Rating	IP67

## Sensors &amp; Liquid Reagents

Parameter	Sensor / Consumable	Range	Temp	Part Code	Qtys	Compatible with		
						Kemio DIS	Kemio HM	Kemio Multi
Ammonia	Ammonia Low Range	0.2-2 mg/L	5-50 °C	KEM21ALR	100	●		●
	Ammonia High range	0.5-15 mg/L	5-30 °C	KEM21AHR	100	●		●
Arsenic	Total Arsenic	2-250 µg/L	10-35 °C	KEM100M-TAS	100		●	●
	Speciated Arsenic	2-250 µg/L	10-35 °C	KEM100M-SAS	100			
Bromine	Bromine	0.2-10 mg/L	5- 30°C	KEM21BRS	100	●		●
Cadmium	Cadmium	0.2-10 mg/L	5 - 35°C	KEM22MCD	10		●	●
Chlorine	Free Chlorine FHR	0.1-100 mg/L	2 - 20°C	KEM21FHR	100	●		●
				KEM25FHR	500			
	Free and Total Chlorine CLO	0.02-10 mg/L FC 0.02-75 mg/L TC	5-30 °C	KEM21CLO	100	●		●
				KEM25CLO	500			
	Free and Total Chlorine CHR	0.1-25 mg/L FC 1-500 mg/L TC	5 - 25°C 5 - 30°C	KEM21CHR	100	●		●
				KEM25CHR	500			
Free and Total Chlorine CLT	0.1-25 mg/L FC 1-500 mg/L TC	2 - 15°C	KEM21CLT	100	●		●	
			KEM25CLT	500				
Chlorine Dioxide & Chlorite	Chlorine Dioxide & Chlorite (CDX)	0.02-50 mg/L	5 - 40°C	KEM20CDX	Starter Pack			
				KEM21CDX	100	●		●
				KEM25CDX	500			
	CR-1 Reagent	-	-	PT546	25			
	CR-2 Reagent	-	-	PT547	25			
Glycine Reagent	-	-	PT549	25				
Chlorine Dioxide	Chlorine Dioxide	0.02-50 mg/L	5 - 40°C	KEM20CDX	Starter Pack			
				KEM21CDX	100	●		●
	KEM25CDX	500						
Glycine Reagent	-	-	PT549	25				
Copper	Copper	100-2000µg/L	5 - 35°C	KEM22MCU	10		●	●
Lead	Lead	1-1000 mg/L TC	5 - 35°C	KEM22MPB	10		●	●
Peracetic Acid	Peracetic Acid (PAA)	5-2000mg/L	5 - 30°C	KEM21PAA	100	●		●
				KEM25PAA	500			
	Peracetic Acid Low Range (PAL)	0.02-10 mg/L	2-30°C	KEM21PAL	100	●		●
				KEM25PAL	500			
	Peracetic Acid High Range (PAH)	400-4000mg/L	10-60 °C	KEM21PAH	100	●		●
KEM25PAH				500				
Monochloramine	Monochloramine	0.2-5 mg/L	5-50 °C	KEM21MOA	100	●		●





## ELECTROCHEMICAL METERS ACCESSORIES



## Accessories

Accessories	Code	Compatibility (Used with)		
		Kemio Disinfection	Kemio Heavy Metals	Kemio Multi
Kemio Check Standards	KEMC10	•	•	•
Kemio Stylus	KEM306	•	•	•
Kemio Protective Case	KEM307	•	•	•
USB – C Cable	PT749	•	•	•
Replacement Sample Vessel (Disinfection)	KEM308	•		•
Replacement Sample Vessel (Heavy Metals)	KEM313		•	•
Contact Pad Replacement Kit	KEM10CTCPAD	•	•	•
Replacement Battery Pack	KEM10BATT	•	•	•
*Kemio Degassing Vessel, Hose, and Filter Disc	PT553	•		•
*Degassing Replacement Filter	PT556	•		•
*Degassing Pump	PT554	•		•
Sample Vessel (Heavy Metals)	KEM323		•	•
Ion Exchange (5 pack)	KEM324		•	•
Kemio USB Power Supply Unit	PT745	•	•	•

\*Degassing products are additional products needed for Chlorite testing, these can be used as replacements as additional accessories.



# Select the most suitable Chlorine sensor for your testing needs

