



ARSENOMETER®

Portable Arsenic Testing Kit

The Trace2o Arsenometer is a fully portable kit that allows analysis of a water sample on site, detecting levels as low as 5ppb of arsenic. The lightweight, waterproof unit is capable of speciation between Arsenic (III) and Arsenic (V) within 10 minutes without the use of prohibited substances such as mercuric bromide, making the process safer and faster for the user. The tests produce no plastic waste that can harm the environment and the kit comes complete with all reagents required for 200 tests.



SPECIALIST MANUFACTURERS OF ENVIRONMENTAL



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FEATURES & BENEFITS

- ⦿ Increased user safety due to no toxic gases produced, including arsine gas.
- ⦿ Stretch your budget, with a low cost per test.



- ⦿ Avoid regulatory problems with prohibited substances. No hazardous mercuric bromide is involved.
- ⦿ Reduce environmental impact with no plastic waste from used consumables.
- ⦿ Speciates both As (III) and As (V) on one meter.
- ⦿ Long life rechargeable batteries (included).



- ⦿ Low maintenance push-fit electrodes.
- ⦿ Lightweight single case kit (less than 10 Kg).

- ⦿ Accurate down to 5ppb.
- ⦿ Increase test output in a working day with 5-10 minute tests.
- ⦿ Waterproof IP68 unit with rugged backlit LCD display.
- ⦿ No PC required to gain results, perfect for field applications.
- ⦿ High capacity (1000) data set logger.



- ⦿ USB connectivity for data transfer to PC as required and Bluetooth connectivity for easy wireless data transfer.
- ⦿ Complete with all reagents, consumables and accessories for 200 Arsenic tests.



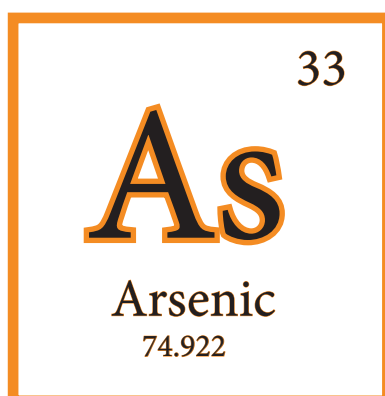


TECHNICAL SPECIFICATIONS

Dimensions (mm)	487 x 386 x 229
Weight (Kg)	9
Approvals	CE Conformity, IP68
Country of origin	United Kingdom
Data	1000 data set storage Data upload via USB to PC Real-time date/time stamp Method update download to unit via USB
Analytical principle	Anodic stripping voltammetry using disc working electrode
Parameters measured	Arsenic (III), Arsenic (Total)
User Interface	Backlit LCD full graphical display, 128 x 128 pixels Joystick cursor control Menu driven software
Portability	IP68 rated waterproof case Buoyant Hard Shell carry case
Protection	Pressure resistant reinforced screen Hard shell case Chemically resistant housing Case floats in water IP68 water and dust proofing
Operating temperature	-20°C to 70°C
Power supply	Rechargeable Li-ion battery, > 50 tests per charge Alternative power supply via mains adaptor or vehicle cigarette lighter
Manufacturer's warranty	Standard 1 Year from purchase

Limits of detection

	Lower LOD (ppb)	WHO Guideline Value (ppb)
Arsenic (III)	5	<10
Arsenic (Total)	10	<10





IN YOUR KIT

IN YOUR KIT	QTY
Single Black IP68 Waterproof Case	1
Arsenometer Instrument	1
Metalysér Sonde with Cable Clamp	1
WE2 Working Electrode	1
Reference Electrode	1
Counter Electrode	1
As Standard (50 Tests), for Arsenic (III)	4
HM3 Buffer Pack (50 Tests), for Arsenic (III)	4
As 1 Buffer pack (50 tests) for Arsenic (Total)	2
As 2 Buffer pack (50 tests) for Arsenic (Total)	2
Electrode Rinse Solution	1
Reference Electrode Fill Solution	1
Au Plating Solution	4
Analysis Beaker	1
Waste Beaker	1
Pipettor (100-1000ul)	1
Pipette Tips (100-1000ul)	50
Polishing Dish, Cloth and Slurry Kit	1
Stirrer Oil	1
Mains Charger (US, EU, UK, IEC, AUS)	1
Car Charger	1
USB Lead	1
Accessories Box	2

DESCRIPTION	PACK SIZE	PART NUMBER
Trace2o Arsenometer Complete Kit (Supplied in a Rugged IP68 Waterproof Case)	KIT	HMAS100
ACCESSORIES AND CONSUMABLES		
Combined Consumables Pack for As (III)	PACK 200	HMA SC200
Combined Consumables Pack for As (Total)	PACK 200	HMA STC200
Arsenometer Plating Solution 125ml	UNIT	HMA UPLA
Polishing Kit (Dish, Cloths and Slurry)	KIT	HMPOLKI
Pipette Tips (100-1000ul)	PACK 50	HMPIPTH
WE2 Working Electrode	UNIT	HME LWE1
Reference Electrode	UNIT	HME LREF
Counter Electrode	UNIT	HME LCNT
Ref Electrode Fill Solution, 8ml	UNIT	HME RFI L
Stirrer Oil (8ml)	UNIT	HME STOIL
Arsenometer Wash Bottle	UNIT	HME LWAS
Sonde (0.7Mtr)	UNIT	HME SONDE
Sample Analysis Beaker (70ml)	UNIT	HME SABEAK
Pipettor (100-1000ul)	UNIT	HME PI PHR

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