



# AQUASAFE® WSL50 PRO

## Advanced portable water safety laboratory

The Aquasafe® WSL50 Pro offers a wide range of microbiological and physicochemical testing giving laboratory quality results, often in seconds.

The capability to analyse at source ensures data represents the true content of the water sample without any degradation or change that can commonly happen during transportation to a fixed site laboratory. This reduces the chance of dangerous false negative results.

Supplied complete with reagents for 300 tests for ammonia, arsenic, residual and combined chlorine, thermotolerant/total coliforms, nitrate and nitrite along with unlimited testing of turbidity, temperature, suspended solids, pH, EC and TDS. Many other parameters are available simply by adding low cost reagents.

The Aquasafe® WSL50 Pro contains a powerful digital dual chamber microbiological incubator, rugged photometer with testing capabilities for over 40 parameters and flexible multiparameter electrochemical meter.



SPECIALIST MANUFACTURERS OF ENVIRONMENTAL  
ANALYSIS AND MONITORING EQUIPMENT





## BENEFITS

- ⊙ Powerful dual incubator docking station gives flexibility to switch between in-case or on bench use



- ⊙ Process samples while transporting and carrying the portable laboratory with the upright incubator format. Samples remain in the correct orientation even when being carried
- ⊙ The high performance battery pack built into the case is hidden from potential theft behind a locked hinged panel while being easily accessible using the simple tool provided
- ⊙ Accurate digital temperature control to +/- 0.1°C ensures optimal bacterial growth
- ⊙ Save valuable time with the easy to use digital independently controlled incubator chambers
- ⊙ Up to 24 hour countdown timer that pauses in the event of power failure, ensuring no false negative microbiological results



- ⊙ Simultaneous thermotolerant and total coliform incubation. Other organism growth also possible using selective media



- ⊙ Single waterproof (IP68) case makes it easy for one user to carry and floats to avoid loss if dropped in water
- ⊙ PetriLok® petridish carriage system stops incubator contamination from the user's hands and ensures stability of dishes in transit, avoiding media spillage
- ⊙ Save time with fast and easy calibration in the field



- ⊙ Save time and money in the laboratory. Ideal as either the primary in-field testing method OR as a pre-screening tool to reduce the number of samples centrally tested
- ⊙ Never run out of reagents again. In-built removable accessories tray makes identifying consumable and reagent stock levels simple and avoids the possibility of damage or breakage during transport
- ⊙ Rugged portable waterproof photometer and multiparameter meters included giving unrivalled physico-chemical testing at site
- ⊙ A multiple handle system gives portable flexibility, including a retractable handle with wheels to reduce fatigue



## IN YOUR KIT

IN YOUR KIT	QTY
Single silver IP68 waterproof wheeled case with multiple handle options and incubator docking station	1
Aquasafe® double incubator	1
Petritelock cassette with cap	2
Aluminium petri dish	50
Sterilised water for MSLB preparation	6
Sample collection bottle with dechlorination tablet	4
5ml Sterile syringe	1
30ml bottle for methanol	1
Membrane filtration unit	1
Vacuum Pump (Pistol)	1
Vacuum tubing (30cm)	1
Forceps	1
Eye Glass	1
Pad dispenser	1
Sterile membrane filters (pk100)	3
Sterile absorbent pads (pk100)	3
Silicone grease	1
5m sampling cable with carabiner	1
Membrane Lauryl sulfate broth sachet	6
Multi-purpose screwdriver	1
Digital thermometer	1
Nitrate reagents (pk100)	3
Nitrate test tube	1
Test tube brush	1
Calibration block	1
12V 4A lead-acid charger/power supply	1
IEC mains cable - UK type G	1
UK type G to EU type F adapter	1
Vehicle charging cable	1
Fabric drawstring bag	1
HydroTest HT1000	1

IN YOUR KIT	QTY
24mm sample cells	3
Crushing rods	3
Lint free wipes (pk10)	1
Chlorine free/total reagents (pk100)	3
Ammonia reagents (pk100)	3
Nitrite reagents (pk100)	3
HydroCheck HC1000	1
pH probe for HydroCheck	1
EC probe for HydroCheck	1
Temperature probe for HydroCheck	1
pH 4.01 buffer solution	1
pH 7.00 buffer solution	1
EC 1413uS calibration solution	1
Arsenic Test Kit (100 Tests)	3
Accessories tray	1
Sterilisable work surface	1
Dilution tube	1



DESCRIPTION	PACK SIZE	PART NUMBER
Aquasafe® WSL50 Pro	Unit	WSL50PRO
<b>REPLACEMENT CONSUMABLES AND REAGENTS</b>		
Microbiological consumables pack (membranes, pads and media)	300 tests	ASMIC300W
Membrane and Pad combipack	300 tests	ASPAME300
Membrane Lauryl Sulfate Broth (MLSB) ready to mix sachets	300 tests	ASBRO300W
Ammonia Reagent (tablets) 0.02–1mg/l	300 tests	HTNH3100/3
Arsenic Test Pack (Mercuric Bromide method) 1–100ppb	100 tests	ASAS100
Chlorine Combipack (Residual DPD1 and Combined DPD3) 0.01-6mg/L	300 tests	HTCL2100/3
Nitrate Reagent (tablets and powder) 0.08-1mg/L	300 tests	HTNO3100/3
Nitrite Reagent (tablets) 0.01-0.5mg/L	300 tests	HTNO2100/3
Calibration buffers for pH (set of 3 – 4.01/7.00/10.01)	60ml each	HCPHC60
Calibration buffers for EC (set of 3 – 84µS/1413µS/12880µS)	60ml each	HCECC60



## TECHNICAL SPECIFICATIONS

<b>Dimensions (mm)</b>	⊙ 500 x 305 x 457
<b>Weight (Kg)</b>	⊙ 20
<b>Approvals</b>	⊙ CE Conformity, IP68
<b>Country of origin</b>	⊙ United Kingdom
<b>Digital incubator test programs</b>	<ul style="list-style-type: none"> <li>⊙ 37°C</li> <li>⊙ 44°C</li> <li>⊙ User defined (20°C to 50°C)</li> <li>⊙ Calibration</li> </ul>
<b>Timer</b>	⊙ Adjustable 24 hour countdown timer
<b>No. incubation chambers</b>	⊙ 2
<b>Maximum petridish capacity</b>	⊙ 50 (25 per incubator chamber)
<b>Incubator temperature range</b>	⊙ 20°C to 50°C
<b>Incubator temperature resolution</b>	⊙ 0.1°C
<b>Incubator temperature stability</b>	⊙ +/- 0.1°C
<b>Recommended storage temperature</b>	⊙ 0°C to 70°C
<b>Optimum operating temperature</b>	⊙ 0°C to 40°C
<b>User interface</b>	<ul style="list-style-type: none"> <li>⊙ LCD display</li> <li>⊙ Tactile soft keys</li> <li>⊙ Audible alerts</li> </ul>
<b>Power supply</b>	<ul style="list-style-type: none"> <li>⊙ 12-24 V DC</li> <li>⊙ Removeable lead acid power pack (Rechargeable)</li> </ul>
<b>Power consumption</b>	<ul style="list-style-type: none"> <li>⊙ 37°C Cycle at 20°C ambient               <ul style="list-style-type: none"> <li>⊙ Max Power 16.1W</li> <li>⊙ Average power 6W</li> </ul> </li> </ul>
<b>Test parameters included (with reagent)</b>	<ul style="list-style-type: none"> <li>⊙ Ammonia</li> <li>⊙ Arsenic (total)</li> <li>⊙ Chlorine (residual)</li> <li>⊙ Chlorine (combined)</li> <li>⊙ Coliforms (TTC and TC simultaneously)</li> <li>⊙ Conductivity</li> <li>⊙ Nitrate</li> <li>⊙ Nitrite</li> <li>⊙ pH</li> <li>⊙ Temperature</li> <li>⊙ Turbidity</li> </ul>
<b>Total test parameters possible (with additional reagent or accessories)</b>	⊙ Over 50
<b>Photometric testing</b>	⊙ Via rugged portable IP68 photometer (HT1000)
<b>Electrochemical testing</b>	⊙ Via rugged portable IP68 multiparameter meter (HC1000)
<b>Manufacturer's warranty</b>	⊙ Standard 1 Year from purchase

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