

# Potalab+

## Advanced portable water quality laboratory

Ideally suited to longer term surveillance and professional monitoring, the Potalab provides portable analysis of a wide and comprehensive range of key drinking water quality parameters where the most important factor is to obtain laboratory levels of accuracy.

- High capacity microbiological analysis – dual incubators with independent temperature control for simultaneous determination of up to 40 samples. Suitable for thermotolerant or faecal coliforms and total coliforms
- Advanced physico-chemical analysis – includes the Photometer 7500, Turbimeter Plus, Palintest Arsenator and Micro 800 Multiparameter Meter
- Versatile and flexible – suitable for use in the laboratory, as a makeshift central water laboratory or as an entirely self-contained field kit with independent power.



### Technical Specification

<b>Potalab Incubator</b>	<b>Test Protocols</b>	37°C and 44°C temperature selections with up to 6 user-defined profiles from 20 – 50°C. User selectable time periods for all temperatures, automatic resuscitation period inclusion
	<b>Temperature Stability</b>	±0.1°C
	<b>Temperature Control</b>	Laser-trimmed thermistor pair with automatic temperature validation
	<b>User Interface</b>	On screen and audible prompts (incubator only) available in English, French, Spanish and Chinese (Simplified).
	<b>Data Log</b>	Last five incubation cycles performance report
	<b>Connectivity</b>	Micro-USB connection to Windows and Android devices for data download and audible prompt upload via dedicated App
	<b>Size &amp; Weight</b>	110 x 123 x 145 mm, 690g
	<b>Power Supply</b>	Replaceable sealed lead acid battery with mains, vehicle and external charging options
<b>Potalab Kit</b>	<b>Power Consumption</b>	High thermal efficiency heating system, 5 full cycles from a fully charged battery
	<b>Microbiological Capacity</b>	Dual incubators with consumables for 200 tests for Thermotolerant/ Faecal Coliforms or Total Coliforms. Optional Nutridisk capability for additional parameters including Faecal Streptococci and <i>E. coli</i>
	<b>Physico-Chemical Parameters</b>	Ammonia, Arsenic, Free and Total Chlorine, Fluoride, Nitrate, Nitrite, Turbidity, pH, Conductivity, Total Dissolved Solids. Additional parameters available
	<b>Size &amp; Weight</b>	2x heavy duty field cases, each 555 x 428 x 211 mm, 12 kg (M), 11 kg (C)

### Ordering Information



#### PTW10010

Wagtech Potalab. Supplied in two cases: Microbiological (M) and Physico-Chemical (C).

#### Microbiological (M) Kit comprises:

- Dual Potalab Incubators with independent temperature control and audible prompts, 2 petri dish racks, high performance Lead Acid battery with capacity for at least 5 cycles per incubator, mains charger with international adaptors, vehicle socket battery power lead, crocodile clip power leads.
- Membrane Filtration assembly, bronze disc, pistol grip vacuum pump with no-kink silicone tubing, 5 Media Measuring Devices (MMDs), 38.1g Membrane Lauryl Sulfate Broth, 5 Pasteur pipettes, hand lens, forceps, 40 Aluminium re-usable petri dishes, 200 sterilised and sealed membrane filters, 200 absorbent pads, absorbent pad dispenser, steel sampling cup, sampling cable.

#### Physico-Chemical (C) Kit comprises:

- Photometer 7500 and light cap, 6 photometer cuvettes, photometer reagents for 200 tests for Free and Total Chlorine, Ammonia, Fluoride, Nitrite and Nitrate.
- Turbimeter Plus, SDVB calibration standards, 4 Turbimeter sample cuvettes, silicone oil, cleaning/oiling cloth.
- Palintest Arsenator Digital Arsenic Test System, unique three-stage filter assembly, conical flask, consumables for 200 Arsenic tests.
- Micro 800 Multiparameter Meter
- Cuvette brush, 2 Dilution tubes, crush/stir rods, De-ion pack, instructions.



#### PTW10010XA

Wagtech Potalab XA. Supplied in two cases. Configuration as per PTW10010 but excluding the digital arsenic test kit.



#### Microbiological Incubator

Incubate 20 samples in each unit simultaneously. Store and transfer data.



#### Measure over 50 chemicals

Add additional Palintest reagent sets for use with the Photometer 7500.



#### Convenient hand-held meters

Simple to use and portable meters facilitate routine sample testing and control.