

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 electrochemical meters for pH and conductivity/TDS
- 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

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| Potalab Incubator | Test Protocols | 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 |
| | Temperature Stability | ±0.1°C |
| | Temperature Control | Laser-trimmed thermistor pair with automatic temperature validation |
| | User Interface | On screen and audible prompts (incubator only) available in English, French, Spanish and Chinese (Simplified). |
| | Data Log | Last five incubation cycles performance report |
| | Connectivity | Micro-USB connection to Windows and Android devices for data download and audible prompt upload via dedicated App |
| | Size & Weight | 110 x 123 x 145 mm, 690g |
| Potalab Kit | Power Supply | Replaceable sealed lead acid battery with mains, vehicle and external charging options |
| | Power Consumption | High thermal efficiency heating system, 5 full cycles from a fully charged battery |
| | Microbiological Capacity | 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> |
| | Physico-Chemical Parameters | Ammonia, Arsenic, Free and Total Chlorine, Fluoride, Nitrate, Nitrite, Turbidity, pH, Conductivity, Total Dissolved Solids. Additional parameters available |
| | Size & Weight | 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 pH/Temperature Meter with pH calibration buffers.
- Micro 800 Conductivity/TDS Meter with conductivity calibration standard.
- 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.