

# Potatech + Intermediate portable water quality laboratory

The single incubator version of the advanced Potalab kit, the Potatech features a complete set of digital instruments but remains lightweight and portable for rural and remote water monitoring.

Previously called the 'Basic Water Safety Planning Kit', the Potatech is designed and supplied for the field monitoring aspect of the Joint Monitoring Programme (JMP). A favourite of WASH professionals, the Potatech combines sophisticated instrumentation with high levels of portability to provide a detailed assessment of the microbiological, physical and chemical quality of a water supply.

- Field microbiological analysis – single incubator constructed from thermally efficient materials and using a high capacity battery
- Reliable physico-chemical analysis – includes the Photometer 7100, Turbimeter Plus and Pocket Sensors for pH and conductivity.



## Ordering Information

### PTW10480 Potatech+

Wagtech Potatech+ kit comprising:

- Wagtech Incubator with standard test protocols and audible prompts, petri dish racks, high performance Lead Acid battery with capacity for at least 5 cycles per charge, 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, 20 Aluminium re-usable petri dishes, 200 sterilised and sealed membrane filters, 200 absorbent pads, absorbent pad dispenser, steel sampling cup, sampling cable.
- Polypropylene 250 mL beaker, quick start prompt cards, sterilisable integrated work surface.
- Photometer 7100 and light cap, 6 photometer cuvettes, photometer reagents for 200 tests for Free and Total Chlorine, Ammonia, Nitrite and Nitrate.
- Turbimeter Plus, SDVB calibration standards, 4 Turbimeter sample cuvettes, silicone oil, cleaning/oiling cloth.
- Pocket pH Sensor and pH calibration buffers
- Pocket Conductivity Sensor with conductivity calibration standard.
- Cuvette brush, 2 Dilution tubes, crush/stir rods, De-ion pack, instructions.



## Technical Specification

Potatech Incubator	<b>Test Protocols</b>	37°C and 44°C temperature selections, user selectable time profiles, automatic resuscitation period profile
	<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) 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
Potatech Kit	<b>Power Supply</b>	Replaceable lead acid battery with mains, vehicle and external charging options
	<b>Power Consumption</b>	High thermal efficiency heating system, 5 full cycles from a fully charged battery
	<b>Microbiological Capacity</b>	Single incubator 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, Free and Total Chlorine, Fluoride, Nitrate, Nitrite, Turbidity, pH, and Conductivity. Additional parameters available
	<b>Size &amp; Weight</b>	555 x 428 x 211 mm, 13 kg



### Microbiological Incubator

Incubate 20 samples simultaneously. Store and transfer data.



### Measure over 50 chemicals

Add additional Palintest reagent sets for use with the Photometer 7100.



### Convenient pocket sensors

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