

# Potakit®+ Basic Portable Water Quality Laboratory

Designed for routine testing in the field, the Potakit®+ includes a combination of visual and digital test instruments that offer an affordable yet accurate testing solution.

The kit of choice for NGOs and water technicians implementing small-scale rural WASH programmes and for organisations with limited funds but who still wish to conduct an accurate assessment of key drinking water quality parameters in the field.

## The key features include:

- Intuitive field microbiological analysis – simple-to-use incubator with unique audible prompts for ease of operation and USB connection for data download
- Complete physico-chemical analysis – visual testing apparatus for turbidity, Ammonia, Arsenic, Free and Total Chlorine, Fluoride, Nitrite and Nitrate plus Pocket Sensors for pH and conductivity
- Ergonomic kit layout – all key components laid out logically and conveniently to guide users through the test protocol

The Potakit® + provides cost-effective drinking water testing for a wide range of circumstances and is an ideal resource for WASH programme implementation.



## Contents

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 Sulphate 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 250ml beaker, quick start prompt cards, sterilisable integrated work surface. Contour Comparator and discs, 4 comparator cuvettes, comparator reagents for 200 tests for Free and Total Chlorine, Ammonia, Fluoride, Nitrite and Nitrate

Visual Arsenic Detection Kit with consumables for 200 tests. Double length Turbidity Tube. 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



**Ordering Info**

Wagtech Potakit® + Intermediate Portable Water Quality Laboratory – PTW 10030

**Technical Specifications**

Potakit®+ 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. Optional Peltier cooled version.
	<b>User Interface</b>	On screen and audible prompts available in English, French, Spanish and Chinese
	<b>Data Log</b>	Last five incubation cycles performance report
	<b>Connectivity</b>	Micro-USB connection to Windows® and Android devices for data download
	<b>Size (W x L x H)</b>	110 x 123 x 145mm
	<b>Weight</b>	690g
	<b>Power Supply</b>	Replaceable sealed 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
Potakit®+	<b>Microbiological Capacity</b>	Wagtech® incubator with consumables for 200 tests for Thermotolerant/Faecal Coliforms or Total Coliforms. Optional Nutridisk capability for additional parameters including Faecal Streptococci, Pseudomonas aeruginosa, Salmonella and E. coli
	<b>Physico-Chemical Parameters</b>	Includes Ammonia, Arsenic, Free Chlorine, Total Chlorine, Nitrate, Nitrite, Turbidity, pH, Conductivity. Additional parameters available.
	<b>Size (W x L x H)</b>	Single heavy duty field case 555 x 428 x 211mm
	<b>Weight</b>	13 kg