

# POTALAB



7100 Photometer



Digital Arsenator



Turbidity Meter



pH/temp/mV Meter



Conductivity/  
TDS Meter

## ADVANCED Portable Water Quality Testing Laboratory

For the technician, or laboratory, involved in the long term monitoring & surveillance of a wide and varied range of water quality parameters, where budget is not a constraint, and the most important factor is to obtain highly accurate, consistent results time after time.

With sophisticated digital instruments the Potalab is suitable for use in a fixed site central lab, but remains fully self-contained and easily portable for use in the field or a vehicle based mobile laboratory.

Used extensively by UNICEF, WHO and many major NGOs the world over.

- Digital twin incubator, featuring automatic timer and LCD display for up to 50 bacteriological tests
- Fully portable Incubator - can be powered via external rechargeable battery, AC mains operation, DC operation via vehicle lighter socket or even solar power
- Independent chamber temperature control, with an accuracy of  $\pm 0.1^{\circ}\text{C}$ , allows simultaneous incubation of both faecal & total coliforms
- Sophisticated hand-held digital meters for pH, Conductivity/TDS & Turbidity
- Direct reading Digital Photometer for testing up to 40 different chemical parameters
- Includes the Arsenator digital arsenic testing device, the worlds first low-cost field instrument capable of measuring arsenic down to ppb levels
- Reduces the reliance upon costly lab-based analyses for advanced levels of monitoring
- Uses, long-life, low-cost reagents and consumables available locally through Wagtech in-country representatives
- Supplied with reagents & consumables to carry out 200 microbiological tests and 200 tests each of Ammonia, Arsenic, Chlorine (DPD1 & 3), Fluoride, Nitrites and Nitrates
- Comprehensive but simple to use operation manuals for all instruments
- All components housed in a single, lockable, water-proof aluminium carry case

Wag-WE10010 Potalab

(Contact Wagtech for full ordering specification)

(See pages 30-33 for accessories, spares & consumables)

For long term monitoring or surveillance, where cost and time are not the main factors, and where a greater emphasis is placed upon obtaining more accurate results, a more comprehensive testing solution may be appropriate. The Potalab, Wagtech's top-end portable laboratory, is quite simply the most complete water testing resource available today. It features a full suite of sophisticated digital instruments and unique Arsenic testing capability.

Many years ago, when UNICEF in Sudan first addressed their monitoring requirements they approached the Wagtech local agent in Khartoum and asked for advice. Through close consultation, and with feedback from the head-office in the UK it was decided that the Potalab was the most suitable kit for the monitoring programmes they wished to initiate in a number of regions throughout the country. This resulted in the purchase of five of the kits which were immediately put to good use. The performance of the kits was excellent and good reports were received from everyone.

So, recently when the problems in Darfur arose and it was realised that a water quality monitoring programme needed to be established in all areas of Darfur, naturally, given the proven levels of past performance of the Potalab, Wagtech was once again asked to offer the Potalab. Although the purchase of the kits was handled through the UNICEF Supply division in Copenhagen, and subject to competitive bidding protocol, Wagtech was once again successful in securing the order. Eight more of the Potalabs were shipped to Sudan.

Given the high levels of inter-agency co-operation in the Darfur region the Potalabs were soon noticed by staff working for some of the other agencies involved in Water and Sanitation projects. In an effort to co-ordinate their efforts and attempt to adopt standard testing procedures it was soon apparent that there would be further demand for the kit as it had proved itself to be reliable and simple to use. The Emergency Health Action (EHA) team of the WHO soon placed an order for a large number of the kits and NGOs such as World Vision, ADRA and International Aid Services (IAS) also took delivery of the kit .

This pattern looks set to repeat itself in South Sudan, and indeed in many countries world wide. Once again, through a combination of word of mouth, Wagtech's increased international profile and the unique testing capabilities of the Potalab, more and more of these kits are being requested. Oxfam South Sudan have purchased three Potalabs, with Catholic Relief Services likely to follow suit in the near future and UNICEF once again are expressing an interest.

Outside of Africa demand is just as high. UNDP in Mynamar have re-ordered 15 of the kits to complement 6 they purchased a number of years ago and in Guatemala another 30 were shipped to UNICEF in the aftermath of the devastating hurricanes that swept the country.

By detailed consultation with the end-user, and by offering good value, unique testing solutions, backed up with in-country support and training, for advanced level monitoring, the Potalab has virtually been adopted as the water testing kit of choice for many organisations throughout the world.

