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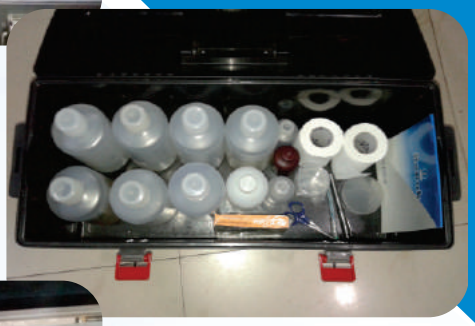
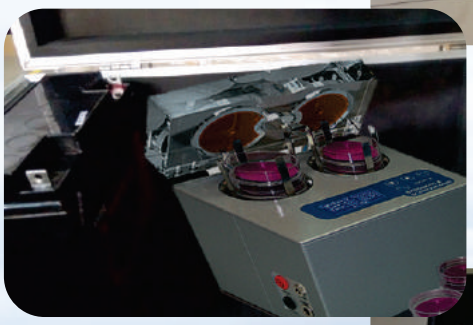
Portable Digital Kit





Portable Digital kit is ideal for long term Drinking water monitoring and survey programs.

- Portable Digital kit provides portable analysis of a wide and comprehensive range of key drinking water quality parameters while ascertaining laboratory levels of accuracy.
- Versatile and flexible – suitable for use in the laboratory, as a makeshift central water laboratory or as an entirely self-contained field kit which works on battery power.
- Online reporting of results including GPS coordinates to a central server by use of an Android device.

Portable Digital kit is capable of measuring the following parameters:

Physico-Chemical :

1. Digital color reflectance meter for measuring Arsenic. Make: Palintest, USA
2. Digital photometer for color measurement. Make: Hanna, USA
3. Direct reading Pre-Programed digital photometer with automatic setup for measuring Residual Chlorine, Iron, Manganese, Chromium, Sulphate, Total Hardness and Alkalinity. Make: ITS Inc, USA.
4. Quality pre-packed reagents of longer shelf life to ensure accurate results.
5. The kit includes all the necessary Accessories and Pre-Packed Reagents.
6. Digital multi parameter instrument for measuring pH, Conductivity/TDS, Chloride, Fluoride and Nitrate. Make: Imported Orlab Brand
7. Digital Nephlo Turbidimeter for measuring Turbidity. Make: Imported Orlab Brand

Digital Photometer

Digital Arsenic Kit

Digital Color Meter

Microbiological

1. The heart of the Microbiology testing in digital portable kit is the portable, compact dual chamber incubator, each chamber independently controlled by Temperature sensor and an additional third temperature sensor for outside temperature control which takes on-site water testing to new heights by its unique features. Make: Sandberg & Schneidewind, Germany.
2. Digital portable kit is capable of detecting and enumeration of total coliform and thermotolerant coliform in portable or small scale microbiology.
3. Conducts emergency screening on contaminated water supply.
4. Membrane filtration method for estimating the bacterial population in water samples.
5. Easy to use portable incubator and hand-held vacuum assembly, even in remote areas where there is no electricity.
6. Read and confirm results within 24 hours and ensure accurate results.
7. The kit includes all the necessary Accessories and Pre-Packed ready made media for total coliform and thermotolerant coliform E-Coliforms & Total coliforms

Digital Multiparameter

Turbidity Meter

Digital Dual Chamber Portable Incubator

Portable Digital Kit Contents:

1. Portable Multiparameter instrument with pH, Conductivity, Fluoride, Nitrate and Chloride electrodes along with batteries in a carry case

2. Portable Turbidity meter, calibration standards, battery in a carry case
3. Portable color Photometer, color calibration standards, battery in a carry case

4. Digital arsenator with standard accessories and Reagents in a carry case

5. Portable Photometer with standard accessories and reagents of Residual chlorine, sulphate, Manganese, iron, Chromium, Total Hardness and Alkalinity in a carry case

6. Additional Carry case for all physio-chemical instrument cases.

7. Portable dual chamber incubator, Thermometer, rechargeable battery with connections in a carry case

8. Reagents for physio-Chemical parameters along with accessories like Plastic beakers(100 ml and 250 ml each), Sample collection bottle, Tissue paper roll, Cleaning brush, Plastic funnel, 2 ml poly dropper, etc in a carry case

9. Readymade media (sterile filter papers, Sterile water ampoules, sterile media pads, Methanol)and accessories like Filter assembly, Hand operated vacuum pump, Alcohol lamp, alcohol lighter, forceps, reussable aluminium petriplates, plastic petriplates for enumeration, Marker, pen,gumstick, scissor, writing pad, hand magnifier, Tissue paper roll, 100 ml graduated beaker, working platform, etc for Micro-Biological Parameters in a carry case.

10. Instruction manuals

11. Handheld Tablet with necessary apps

"Under the guidelines of Ministry of Drinking Water and Sanitation, Govt. of India."

Software

RMWQS Software for Digital Field Test Kits has been implemented under the guidelines of Ministry of Drinking Water and Sanitation, Govt. of India; It can be used on user's server to enable remote monitoring of water quality sampling, key indicators of water testing results and technician performance.

How it Works?

Data Transfer from photometer and manual entry on Smartphone or Tablet

Data stored in a Central Database

Web based Information Management System

Capabilities

The RMWQS Software has the following capabilities:

- To Report results remotely from the field using GPS data-logging along with pictures of water sources.
- To upload results from mobile smart phones and to automatically transmit the data to the secured server for online reports.
- To generate special reports and download in excel format which should be matched with IMIS.
- To automatically generate alarms when test results go outside BIS 10500:2012 regulations.
- To save and generate sanitary survey reports.
- To monitor the technicians performance.

Features

Customized Dashboard

A Dashboard with all the results which should be customized by selecting customers, loca tions etc.

Report Management

Generate detailed and Scheduled reports from selected results and exporting them to various formats .csv, .pdf, .xls etc.

Alarm Management

Create automatic alarms when test results go outside BIS 10500:2012 regulations.

Techinician Management

Monitor the Audit the performance of the technicians at various levels.

Data Management

All monitoring data in a central database accessed with an intuitive interface. User can view complete details of the tested samples.

User Management

Create secured users of different levels, email settings, profile settings and restrict them by admin.

Survey Management

Save and Generate Sanitary Survey reports specified by Uniform Drinking Water Quality Monitoring Protocol.

Trends and Graphs

Graphical representation of results and threshold values for for easily identifying and qualifying contaminated sources.

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