ORLAB

An ISO 9001 : 2008 Certified Company

SOIL Testing Kits

.....for better yields

STFR (Soil Test Fertilizer Recommendation) Meter, Mittiparikshak/Mini Lab

- Portable Digital Mini Lab
- Easy to operate
- Testing can be done in a short time
- Testing of available nutrients in the soil
- Crop specific fertilizer recommendation for more than 100 Crops
- Developed by IARI, New Delhi

NPK Kit

Soil Multi-parameter Kit

STFR Meter (Mittiparikshak / Mini Lab)

Orlab Instruments Pvt. Ltd.

Hyderabad.

We, **Orlab Instruments Pvt Ltd**., Hyderabad is an ISO 9001-2008 certified and MSME registered manufacturers of diversified products in the field of Water Test Kits (single and multi-parameter), Soil Test Kits (NPK and Soil Multi-parameter kits), Instruments and Portable Labs for Water and Soil testing applications.

Orlab has more than 15 years manufacturing experience and servicing Water and Soil industry by supporting and working closely with State, Central Governments, PHED's, NGO's, Unicef, Fertilizer companies, Institutions, Testing Labs and formers. We had supplied more than 1 lakh test kits all over India till now.

Soil Field Test Kit for NPK

This is a basic Soil analysis kit using color chart and drop count method for basic Soil management.

Accurate assessment of the principal nutrients pH, Nitrate Nitrogen, Ammonical Nitrogen Phosphorus, Potassium. This kit supplied in a carrying case with sufficient extraction reagent and Parameter reagents tablets for 100 tests each of the specified tests.

Multi-Parameter Soil Field Test Kit

The ORLAB "Soil Field Test Kit" is a color chart and drop count based kit which contains the tests requires for basic soil managements. Accurate assessment of the principal nutrients pH, Organic Carbon, Nitrate Nitrogen, Ammonical Nitrogen, Phosphorous, Potassium, Calcium, Magnesium, Sulphur and Extraction reagent. The test for soil pH Utilizes the ORLAB pH Color Chart and the test for calcium, Magnesium are based on the Drop count Method and other parameters based on the color charts. Organic Carbon method developed by BARC.

STFR Meter

STFR (Soil Test Fertilizer Recommendation) Meter, Mittiparikshak / Mini Lab

Developed by IARI, New Delhi

Nutrient deficiency is the major problem in India and farmers often apply fertilizers without any scientific recommendation. This increases the cost of production, lowers farm profits and leads to soil health deterioration.

With vast experience in manufacturing kits and instruments, we have started manufacturing STFR (Soil Test Fertilizer Recommendation) Meter, Mittiparikshak / Mini Lab developed by Indian Agriculture Research Institute, Delhi.

The STFR Meter is unique. The farmer can determine the available nutrients in the soil on the spot by himself and the instruments suggests the correct dosage of the fertilizer based on the crop. Unlike other soil test kits, it gives fertilizer recommendations for selected crops using the in-built program.

Key features of STFR Meter, (Mittiparikshak / Mini Lab) :

- It is Portable Digital Lab, it can be operated with battery / electricity
- Can be carried to any place
- Easy to operate
- Analysis can be done in short time
- Tests 12 Soil Parameters
- Crop specific fertilizer recommendation for more than 100 crops.
- Thermal Printer (optional)
- Memory for data storage
- Issues Soil Health Card & send soil test report on SMS
- Optimal use of fertilizer ensures good health of soil
- Fertilizer can be saved by adding exact dosing of fertilizer by testing with STFR
- Prevents soil deterioration and maintains soil fertility
- Farmer can get more yields by using STFR
- Port for Computer Connectivity

The following parameters can be analyzed with STFR Meter :

- Organic Carbon
- Phosphorous
- Potassium
- Zinc
- Sulphur
- Boron
- Iron
- Manganese
- Conductivity
- pH
- Lime Requirement for acid soil
- Gypsum requirement for Alkaline soil

Digital Lab consist of following Instruments:

- Preprogrammed STFR meter
- Thermal printer
- Mini Shaker
- Reagent Kit
- Accessories Kit
- User/training manual

Irrigation Water Quality Digital Lab

The ORLAB "Irrigation Water Quality Digital Lab" is a Colormetric and drop count based kit which contains the tests requires for basic Irrigation water quality parameters critical to long-term soil productivity. The parameters that can be tested are pH, EC, Alkalinity, SAR, etc.

Irrigation Water Quality Digital Lab

Our other Water Quality Test Kits, Instruments and Portable Labs :

- Arsenic Test Kits
- H2S Bacteriological Vials
- Multi-Use Bacteriological Vials
- Single Parameter Test Kits
- Multiparameter Test Kits
- Single parameter Colorimeters
- Multi-parameter Colorimeters
- Pre-programed Spectrophotometers
- Portable Water Quality Digital Labs
- Pre-packed Reagents / Kits

Arsenic Test Kit

Chlorine Test Kit

Pre-programed Spectrophotometer

Portable Water Quality Digital Lab

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